



Colorado Gold
See Page 10



Fort Myers Market
See Page 12

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White Lisbon
Our Special Strain
See Page 14



New Yolo Wonder
See Page 18



Early Sweet Spanish No. 28
See Page 14



Drakos Utah Sweet Spanish
See Page 14



Cherry Belle
Special Holland Strain
See Page 19



New Super Mount Blanc
See Page 6



Marketer
See Page 11



Wisconsin Globe
See Page 7

Gold Seal Seeds for 1955



The Western Seed Co.

1425 Fifteenth Street

DENVER 2, COLORADO



ZINNIA, BLAZE
Pkt. 25c. See Page 37



BRIDESMAID
Each 35c

AETNA
See Page 41



ASTERS, PRINCESS WILT RESISTANT
Pkt. 15c. See Page 26



PEONY, FESTIVA MAXIMA
Each 89c. See Page 41



GEM—Prices. See Page 53



PETUNIA, COMANCHE
Pkt. 35c. See Page 33



EARLY RICHMOND
See Page 51



SUPERIOR PLUM
Price. See Page 51



NEW TETRA SNAPDRAGON, Rust Resistant
Pkg. 15c. See Page 35



HOPA RED FLOWERING CRAB
See Page 50

Vegetable and Flower Seed Collections

GOLD SEAL VEGETABLE COLLECTION \$1.93 Postpaid

23 full sized packages
Regular price \$2.50

Beans, Contender	Lettuce, Great Lakes
Beans, Cherokee Wax	Onion, Mt. Danvers
Beets, Detroit Dark Red	Parsnip, All American
Cabbage, Early	Peas, Little Marvel
Copenhagen Market	Pumpkin, Small Sugar
Carrot, Chantenay	Radish, Early White Icicle
Corn, Early Golden Bantam	Radish, Comet
Corn, Tendergold Hybrid	Spinach, Giant Noble
Cucumber, Long Green	Squash, Hubbard
Lettuce, Grand Rapids	Squash, Caserta
Muskmelon, Honey Rock	Swiss Chard
	Turnip, Purple Top White Globe
	Watermelon, Early Kansas

\$1.93 POSTPAID

LARGE VEGETABLE GARDEN COLLECTION \$3.10 Postpaid

Regular Price \$3.85

1 oz. Beets, Detroit
 $\frac{1}{4}$ lb. Beans, Contender
 $\frac{1}{4}$ lb. Beans, Cherokee Wax
 1 pkt. Cabbage, Early, Copenhagen
 1 oz. Carrots, Chantenay
 $\frac{1}{4}$ lb. Corn, Earliest Golden Bantam
 $\frac{1}{4}$ lb. Corn, Golden Cross Hybrid
 1 pkt. Cucumber, Colorado
 $\frac{1}{2}$ oz. Lettuce, Grand Rapids
 $\frac{1}{2}$ oz. Lettuce, Great Lakes Shipper's Strain
 1 pkt. Muskmelon, Honey Rock
 $\frac{1}{2}$ oz. Onions, Mountain Globe Danvers
 1 oz. Parsnips, Hollow Crown
 $\frac{1}{4}$ lb. Peas, Little Marvel
 1 oz. Pumpkin, Small Sugar
 1 oz. Radish, Long White Icicle
 1 oz. Radish, Comet
 2 oz. Spinach, Giant Noble
 1 oz. Squash, Winter Banana (excellent)
 1 oz. Squash, Zucchini
 1 pkt. Turnip, Purple Top Globe
 1 pkt. Watermelon, Dixie Queen

\$3.10 POSTPAID

ZINNIA COLLECTION GIANT DAHLIA FLOWERED 6 PKTS. 55c Postpaid

1 Pkt. Bright Scarlet	1 Pkt. Pink with deep rose center
1 Pkt. White	1 Pkt. 15 Colors Mixed
1 Pkt. Canary Yellow	
1 Pkt. Purple	

55c POSTPAID

FARM GARDEN COLLECTION ONLY \$3.97 Postpaid

Regular price of this selection \$4.67

$\frac{1}{2}$ lb. Beans, Contender Green
 $\frac{1}{4}$ lb. Beans, Pencil Pod Wax
 1 oz. Beet, Detroit Dark Red
 1 oz. Carrot, Danvers Half Long
 $\frac{1}{4}$ lb. Corn, Earliest Golden Bantam
 $\frac{1}{4}$ lb. Corn, Golden Cross Hybrid
 $\frac{1}{2}$ oz. Cucumbers, Marketer
 $\frac{1}{2}$ oz. Lettuce, Grand Rapids
 $\frac{1}{2}$ oz. Lettuce, Great Lakes Shipper's Strain
 2 oz. Muskmelon, Honey Rock
 1 oz. Onion, Sweet Spanish
 $\frac{1}{2}$ oz. Parsnips
 $\frac{1}{2}$ lb. Peas, Dwarf Telephone
 $\frac{1}{2}$ lb. Peas, Little Marvel
 1 pkt. Pumpkin, Small Sugar
 1 oz. Radish, Long White Icicle
 1 oz. Radish, Comet
 $\frac{1}{4}$ oz. Spinach, Giant Noble
 $\frac{1}{2}$ oz. Squash, Zucchini
 $\frac{1}{2}$ oz. Squash, Winter Banana (excellent)
 1 pkt. Swiss Chard
 1 oz. Turnip, Purple Top Globe
 2 oz. Watermelon, Dixie Queen

\$3.97 POSTPAID

SWEET PEA COLLECTION

EARLY FLOWERING

7 Large Pkts.

ONLY 50c Postpaid

Tahoe (Bright Clear Blue)	Hope (White)
Top Sergeant (Crimson)	Sweet Briar (Rich Pink)
Rhapsody (Lavender)	Cavalcade (Cerise)
Treasure Island (Glowing Orange Cerise)	

CUTHBERTSON SWEET PEAS—ALL 6 LARGE PACKETS 50c POSTPAID

Vigorous and continue to bloom in hot weather.

Janet (White)	Jimmy (Deep Scarlet)
Hazel (Light Blue)	Frank G (Rosy Lavender)
Lois (Rose Pink)	
Catherine (Cerise)	

50c POSTPAID

See inside back cover and page 50.

LARKSPUR GIANT IMPERIAL

1 Pkt. Crimson	1 Pkt. Blue
1 Pkt. Lilac	1 Pkt. 9 Colors and Shades Mixed
1 Pkt. Rose	
1 Pkt. White	

55c POSTPAID

Any Firm Can Be A House Of Quality, But Western Seed Co. Is A

HOUSE OF GOOD QUALITY

Try These New and Superior Strains for Outstanding Results

VEGETABLES

BROCCOLI, GREEN MOUNTAIN

One week earlier. Large, dark green, tight center heads with later side heads almost equally as large. See Page 5.

CABBAGE, EARLIEST GOLDEN ACRE

See Early Wonder bottom Page 6.

CARROTS, GOLD SPIKE

An excellent pre-packaging and shipping variety. See Page 9.

CORN, HYBRID COLORADO GOLD

This very fine variety is a heavy yielder. Two large marketable ears of extra fine quality on each stalk. See Page 10.

CAULIFLOWER, SUPER MOUNT BLANC

A new strain that produces big, deep heads of finest quality from both early and late crops. See Page 6.

LETTUCE, GREAT LAKES SHIPPER'S STRAIN

Has proved outstanding for Rocky Mountain area. Fields of this strain produced a higher percent of U. S. No. One lettuce than other varieties. See Page 13.

ONION, SWEET SPANISH NO. 28

The earliest strain of Yellow Sweet Spanish. Beautiful globe bulbs with heavy dark skin. See No. 13C, Page 14.

PEPPER, YOLO WONDER

An All-American selection. A week or more earlier than California Wonder. Resistant to disease. Thick flesh. See Page 18.

RADISH, CHERRY BELLE

European Grown. Produces more fine radishes and with shorter tops than American seed. See Page 19.

TOMATO, EARLY F-1 HYBRID, RUTGERS X VALIANT

Proved best for Western areas. See Page 21.

FLOWERS

PETUNIA, PRIMA DONNA

All-American 1955. Plants 12 to 15 in. high with a profusion of giant 3½ to 4 inch bright rose pink fringed flowers.

(Pkt. 50c) (1/64 oz. \$7.50).

PETUNIA, COMANCHE

All-American Winner for 1953. Deepest Red Petunia. See 379X, Page 33.

PETUNIA, CRUSADER (New)

Plants bushy, 15 in. tall. Flowers large, bicolor, heavily ruffled, almost white, with very light rose shading stripes extending from the throat to the edge of the bloom.

(Pkt. 50c) (1/64 oz. \$7.50).

SWEET PEAS, EARLY MULTIFLORA

Vigorous, with 5 to 7 blooms on each stem of wide color range. Mixed colors. See Page 35.

ALYSSUM ROYAL CARPET

All-American Winner. Plants 4 in. tall, 10 in. diameter of solid purple blooms. See Page 25.

GIANT ZINNIA, BLAZE

All-American for 1954. See Page 37.

MARIGOLD, GLITTERS

All-American Winner. Flowers large; plants medium height. See page 31.

MARIGOLD, LEMON DROP

Finest Marigold for rock gardens and borders. See Page 31.

CALENDULA, PACIFIC BEAUTIES

Best of Calendulas. Stands heat better than other varieties. See Page 27.

TUBEROUS BEGONIAS Belgium Grown

Large Size Double Camellia-flowered—1½ to 2 inches

Even the beginners find them easy to grow. Next to roses, they are rapidly becoming one of the most popular subjects. Will thrive in shady places where other flowers fail. Follow the simple direction which we supply and you will be well rewarded. Bulbs are easily taken up in the fall and stored for next year.

GLAMOROUS, DOUBLE CAMELLIA - FLOWERED.

Separate colors of Copper, White, Red, Pink, Yellow, Orange. Large size 1½ to 2 inch tubers. 15 tubers, 5 separate colors, our selection, not mixed.

\$2.25 Postpaid.

Your selection: (Each 20c) (Doz. \$2.10) (50 \$7.50) Postpaid. Also see page ??.

Gold Seal Quality Seeds IN KING SIZE PACKETS

More seed of finest quality that is adapted to Western conditions at no advance in PRICE. That is, in all our 10c and 15c packets you get far more quantity and quality than you find in packets put out by other companies We ask you to compare.

*The Western Seed Company
Denver, Colorado
Gentlemen:*

I bought seed from the Miller Super Market put out by your company last Saturday, and I want to say that I have never seen such nice full packages as you put out. They are a great relief from a VERY FEW SEED in a package put out by other seed firms.

*Cheyenne, Wyoming
March 22, 1954*

*Very truly yours,
Edith P. Waller*

GOLD SEAL SEEDS are WESTERN SEEDS FOR WESTERN GROWERS

and stand for the best in quality. We have our own seed analyst and a seed germinating and testing laboratory. This work enables us to offer you proven quality.

FIELD SEED DESCRIBED ON PAGES 54 TO 60 FOR PRICES SEE YOUR LOCAL GOLD SEAL DEALER

If he cannot supply you with GOLD SEAL SEEDS, write for our latest quantity price list which we issue at intervals during the planting season.

TERMS—We gladly open charge accounts for persons of approved credit.

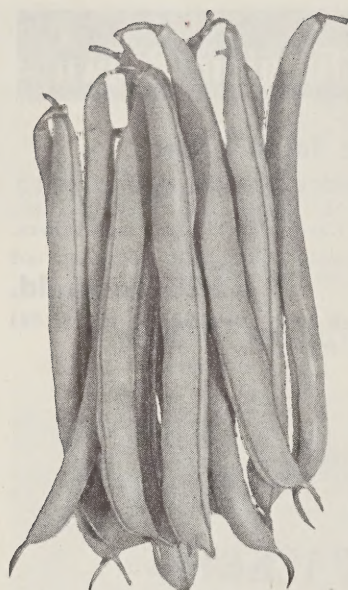
CONDITION OF SALE

The Western Seed Company warrants, to the extent of the purchase price, that seeds, plants, bulbs or nursery stock sold are as described on the container within recognized tolerances. Even with the highest quality seeds and nursery stock, success depends largely upon cultivation, soil and weather conditions. Therefore, in no case, does seller give any other or further warranty, expressed or implied.

For further Condition of Sale of Nursery Stock see top of page 40.

OUR RETAIL STORE—1425 15th St., Denver, Colorado

FREE PARKING. Garage Across Street



WADE

GREEN BUSH VARIETIES

Pkt. will plant 25 feet of row.

1 lb. for 150 hills; 60 lbs. an acre

CULTURE: Beans must not be planted until danger of frost is past and the soil is quite warm. Plant in rows 18 to 30 inches apart for hand cultivation, or 2½ to 3 feet apart for field culture. Space the seed 2 to 3 inches apart in the rows and cover with 1 to 2 inches of soil. For a continuous supply make sowings every 2 weeks until 10 weeks before the first expected frost. Beans are more delicious and bear longer when picked before fully matured. Give frequent and shallow cultivation until blossoms appear.

75 CONTENDER. A new bean that has almost everything. Very early. Exceptionally heavy yielder and fine quality. Pods stringless and fiberless, 6½ inches long, round, slightly curved. Resistant to most bean diseases. Excellent shipper.

82 WADE. One of the finest varieties ever developed. Bears large crops under wide range of conditions of 6 to 7 in. completely stringless and fiberless, highly attractive pods which are meaty, round, dark green of wonderful rich flavor. Recommended for home and market gardeners. Stands up well under shipping. Resistant to Mosaic and powdery mildew.

42 STRINGLESS BLACK VALENTINE. With shippers and large market growers this is the most widely used and popular bean as it stands up in transit better than any other bush variety. Pods strictly stringless, 6¾ inches, dark green, slender, oval, nearly straight.

26 TENDERGREEN. An outstanding general purpose bean. Pods stringless, straight, round, 6 inches long, dark green, meaty and free from fiber. Plants vigorous growing and very productive. Good canning and freezing variety.

64 FULL MEASURE. Produces an abundance of meaty pods 6 to 6½ inches long; stringless and fiberless; tender and meaty even after the bean is well matured. Recommended for home gardens, canning, and freezing.

BEANS

50 LANDRETH STRINGLESS. A greatly improved Burpee's Stringless. Pods are longer, slightly more round, flesh more tender, less fibrous, and no strings.

89 GIANT STRINGLESS. Exceedingly productive and very hardy. Light green stringless pod 6 inches in length, round and fairly straight—We prefer Landreth Stringless.

WAX BUSH VARIETIES

THE FOUR BEST

52 BRITTLE WAX or ROUND POD KIDNEY. An outstanding sort for home use and for the market trade. Plants large, erect, medium green, vigorous and productive. Pods handsome in appearance, medium yellow, round, slightly curved, extremely brittle; fleshy, absolutely stringless and fiberless.

62 PENCIL POD BLACK WAX. A desirable home and market garden variety. Plants strong and productive. Pods round, clear rich yellow, slightly curved, brittle and absolutely stringless. Extra good.

58 TOP NOTCH GOLDEN WAX. A much improved type of Golden Wax. Pods are stringless, smooth, symmetrical oval, light golden color, very tender, 5 to 6 inches long, almost an inch longer than improved Golden Wax. Very productive.

96 CHEROKEE or VALENTINE WAX. The most prolific wax podded variety. Plants large and erect. Pods 6½ inches, golden wax, oval, nearly straight, tender and stringless at all stages. Outstanding all-purpose variety.

SHELL BEANS

78 DWARF HORTICULTURAL. (Speckled Cranberry.) Excellent as green shelled bean. Also used as snap beans and dried beans. Pods wide and 5 inches long. Beans green splashed with carmine.

111E LONG WINDSOR or FAVA. Quite distinct from other beans, the upright plants bear 7-inch pods, containing 5 or 6 big flat oblong beans that are used in the green shell or dry stage. Cooked fresh or as a winter shell bean they have an unusual flavor. They are hardy and should be planted very early in the spring about 8 in. apart in 2½ to 3 ft. rows. Seed Seal-Gro-Treated.



FORDHOOK 242 BUSH LIMA



BRITTLE WAX

Treated Lima and Fava Beans

For earlier planting, better stand, earlier and bigger crops. Our Seal-Gro-Treated seed makes limas as easy to grow as snap beans. Culture and care are the same as other beans except plant seed 4 inches apart with eyes down.

LIMA OR BUTTER

Prices Next Page

1 pound for 100 hills

CULTURE: Planting and care of Limas same as other Bush Beans, except 4 inches apart in row and for best yield a warm, sandy loam is desirable.

87 EARLY THOROGREEN. Green seeded strain of Henderson's Bush Lima, with green cotyledons, seed retaining its green color even when mature. Excellent flavor.

112E BABY LIMA or HENDERSON BUSH. Popular with home gardeners as a green shell bean, also as a dry bean.

113F FORDHOOK 242 BUSH. A top ranking lima bean similar to Regular Fordhook except 242 is earlier and has outstanding ability to set under adverse conditions. Pods broad and thick containing mostly four beans of light green and best flavor. Plants dwarf and spreading. Recommended for freezing.

79 BURPEE IMPROVED BUSH. Plants large and productive bearing pods containing three to four large flat beans.

POLE BEANS

65 KENTUCKY WONDER GREEN. The most popular green or snap pole bean. The tall, vigorous vines are enormously productive over a long season. Pods remarkably long, almost round and straight, thick, meaty, stringless, fine tasty flavor which makes them also so highly desirable for use as a shell bean.

121E KING OF THE GARDEN. (Lima) Outstanding pole lima for heavy production and climbing ability. Numerous large pods filled with 5 to 6 large beans of excellent quality.

13T SCARLET RUNNER. Outstanding bean for its ornamental purposes but may also be used for green shell beans. Has large beautiful scarlet blossoms.
Pkt. 15c; ½ lb. 50c; 1 lb. 85c; 2 lbs., \$1.50.

SEAL-GRO
TREATED
For
Better Stand
and
Bigger Crops

BEETS

CULTURE: Beets will grow in any fertile soil but thrive best in deep, rich sandy loam. Seed may be sown in the early spring as soon as ground can be worked; later sowings for continuous supply, every two or three weeks until the middle of July. Sow seed in rows 18 to 24 inches apart, and cover 1 inch deep. Thin plants to stand 3 to 4 inches apart in the rows. Beets do not require an abundance of water. Frequent light waterings are better than heavy soaking.

- 29 EARLY WONDER.** An excellent beet for early bunching. Roots dark red; flesh somewhat darker; medium tops; globe-shaped when young, slightly flatten later. Ours is a very fine superior strain.
- 19 CROSBY'S EGYPTIAN.** Roots almost globular in shape, very smooth of deep vermilion, interior deep red, fine texture. Very good bunching variety.
- 30 DETROIT DARK RED.** A standard variety for home, market garden, shipping and canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap root. Flesh very dark color, the zones are so inconspicuous that the flesh appears as a solid ball of blood red meat and remains tender and of the highest quality until roots are full grown.
- 92 PERFECTED DETROIT.** Tops medium to tall, leaves green tinged with red; used extensively as greens instead of spinach. Roots globular, medium smooth, deep red; flesh dark red and practically free from zoning; of good quality, well liked by market gardeners and canners.
- 19 ECLIPSE 705 or DALLAS BUNCHING.** 62 days. Extensively used as a bunching beet in Texas markets. Roots globular, attractive. Color vermilion with slightly zoned blood red flesh. Tops medium.



EARLY GREEN SPROUTING

We Catalog Only the Leading Varieties
1 ounce will sow 50 feet of row; 5 to 6 pounds
will plant an acre



PERFECTED DETROIT

DETROIT DARK RED

BROCCOLI

CULTURE: Same as cabbage. Either start seed indoors for early crop or for later crop seed of the early varieties can be sown outdoors in May in field and thinned to 2 feet apart.

- 1C GREEN MOUNTAIN.** A new, extra early, outstanding sprouting broccoli. Plants vigorous; leaves dark and broad. Forms very large long center heads which mature uniformly. The lateral heads which mature somewhat later are large.
- 1D EARLY GREEN SPROUTING.** Vigorous early type, forming large, compact, central, purple green heads which after being cut are replaced with a number of smaller shoots.

BEAN PRICES

	POSTPAID				NOT POSTPAID	
	All Beans, KING SIZE pkt. 10c, 1/4 lb. 20c					
	Days to Picking	1/2 lb.	1 lb.	5 lbs.	10 lbs.	25 lbs.
GREEN BUSH VARIETIES						
Contender	48	\$.35	\$.60	\$2.45	\$3.25	\$7.25
Full Measure	53	.35	.60	2.50	3.60	7.75
Giant Stringless	55	.35	.55	2.25	3.40	7.60
Tendergreen	54	.35	.60	2.50	3.40	7.60
Landreth Stringless	52	.35	.55	2.25	3.45	7.65
Stringless Black Valentine	53	.35	.60	2.40	3.40	7.75
Wade Stringless	55	.35	.60	2.65	3.60	7.85
WAX BUSH VARIETIES						
Cherokee Wax	52	.30	.55	2.25	3.50	7.90
Round Pod Kidney or Brittle Wax	54	.35	.60	2.75	3.70	8.85
Pencil Pod Black Wax	55	.30	.60	2.50	3.50	8.10
Top Notch Golden Wax	50	.35	.60	2.60	3.65	8.00
LIMA OR BUTTER BEANS						
Baby Lima or Henderson Bush	68	.30	.60	2.40	3.20	7.40
Fordhook No. 242 Bush	72	.30	.65	2.70	3.60	8.25
Early Thorogreen	67	.35	.65	2.70	3.60	8.25
Burpee Improved Bush	74	.30	.65	2.75	3.70	8.25
SHELL BEANS						
Dwarf Horticultural	55	.30	.50	2.45	3.25	7.50
Long Windsor or Fava	75	.30		2.25	3.25	7.50
POLE BEANS OR RUNNING VARIETIES						
Kentucky Wonder or Old Homestead	67	.30	.55	2.30	3.25	7.50
King of the Garden	89	.30	.50	2.25	3.25	7.50
Scarlet Runner	70	See	price	with description		

BEET and BROCCOLI PRICES

		ALL PRICES POSTPAID					
		KING SIZE					
BEETS	Days	Pkt.	Oz.	1/4 lb.	1 lb.	5 lbs.	10 lbs.
Early Wonder	60	\$.10	\$.18	\$.50	\$1.60	\$ 7.25	\$14.25
Crosby's Egyptian	62	.10	.18	.50	1.60	7.35	14.25
Detroit Dark Red	70	.10	.18	.50	1.60	7.25	14.25
Perfected Detroit	68	.10	.18	.50	1.65	7.50	14.75
Eclipse 705 or Dallas Bunching	66	.10	.18	.50	1.50	7.25	14.25
BROCCOLI							
Early Green Sprouting	73	.10	.30	.90	2.90	13.50	
Early Green Mountain	62	.20	.50	1.50	4.75	21.00	

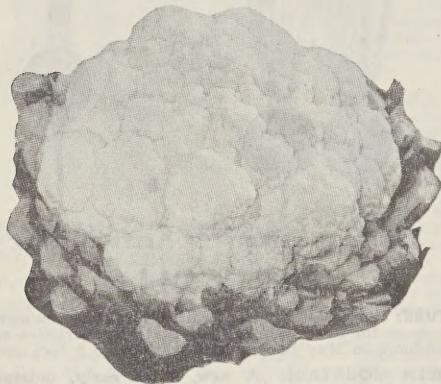
CAULIFLOWER

1 ounce for 2500 plants; 5 ounces for acre

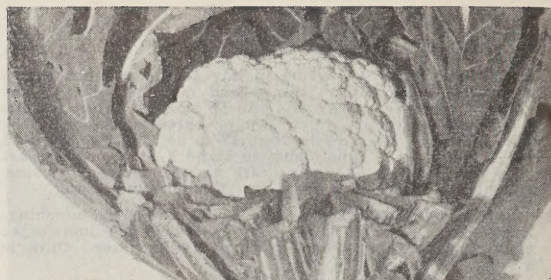
CULTURE: For early crops with altitude and climate about the same as Denver, start seed in hot beds in late February and transplant to field about May 1st. For midseason and late crops, sow about April 10 in cold frames or out of doors in open beds. After plants are 4 to 6 in. high, transplant to field about June 15 to July 1st. Space plants 2 ft. apart in 3 ft. rows. Do not allow plants to get stunted in growth due to lack of moisture or low fertility which may cause premature heading and prove harmful.

1B MOUNT BLANC. For many years the leading and earliest main crop cauliflower. Even with adverse weather, will yield an abundance of fine, large, snow white heads. Plants short, stalky with heavy, broad, closely set foliage. Crop heads simultaneously; 3 cuttings usually clear the fields. Especially adapted early crop in Rocky Mountain Region.

1E SUPER MOUNT BLANC. Our NEW introduction. A strain of cauliflower that is really adapted to the Rocky Mountain area and the west.



SUPER MOUNT BLANC



MOUNT BLANC

When we first offered this new strain, we heralded it as the best early cauliflower, but after two years of crops in the mountain districts and grown by the market gardeners in the Denver area, it not only has proven outstanding for early crops but also for midseason and late. Produces heavy crops for both early and late of larger, heavier, deeper, more solid heads with white curds and heavier base than other varieties. If planted the same time as Mount Blanc, it will be ready for market a couple days later, and if planted the same time as Snowdrift No. 16, for later crop, will be ready for cutting somewhat earlier than No. 16. Plants erect, foliage large which is inclined to cover the head eliminating tying many of the plants. A very heavy yielder. As yet, the supply of this seed is limited.

6B SNOWBALL E. Extensively grown and the best for many sections especially where a concentrated heading period is desired. Few days earlier than Snowdrift No. 16. More heads will mature at one time which are large, smooth, deep white. Plants vigorous, abundance of long, erect leaves.

4D SNOWDRIFT NO. 16 GOLD SEAL STRAIN. There are several strains of Snowdrift, and, after years of closest observations, trials, and growing hundreds of acres of cauliflower ourselves, we have found this strain superior. A medium early variety recommended for the main mid-season and late crops. Plants are vigorous, rather short stem; leaves broad, long and erect, protecting the deep, heavy, well rounded white heads.

CAULIFLOWER

Mount Blanc, Holland Grown	55	\$.20	\$.55	\$1.75	\$5.50	\$20.00
Super Mount Blanc	57	.25	.75	2.00	7.00	25.00
Snowdrift No. 16 Gold Seal Strain	64	.20	.55	1.65	5.00	18.00
Snowball E Strain	62	.20	.60	1.75	5.75	20.50

Days

Pkt.

1/4 Oz.

Oz.

1/4 lb.

1 lb.

CABBAGE

1 ounce for 2500 plants; 6 ounces for an acre

We List Only the Best Varieties

We are large growers and shippers of cabbage, growing and shipping hundreds of cars yearly. We test and try out on our vegetable farms, every new introduction of cabbage and the varieties listed herein are those found to be best adapted to the soil and climatic conditions of the West.

CULTURE: The ground should be well fertilized, deeply plowed (fall plowed if possible). For early planting sow seeds of the early varieties in hotbeds the first part of February. For second early and later crops sow in March and April, in hotbeds or cold frames. The plants should be set in rows 2 1/4 to 3 feet apart and from 12 to 18 inches apart in the rows, according to the richness of the soil—the richer the soil the closer they may be grown. Until the plants start to head they should have frequent cultivation.

FIELD SOWING. For midseason and late crops, many growers, with good success, drill the seed direct in the field, where the crop is to be grown. Some plant in single rows; others, to increase tonnage and insure more marketable size heads, drill seed double rows, and thin to 15 inches apart.

For cabbage worms and aphids, we recommend Parathion. (See Page 92.)

4A NEW EARLY WONDER. A new wonderful earliest strain of Golden Acre. Has proven to be the ideal

variety of early cabbage for market gardeners because of its uniformity, good yields of fine, beautiful, round heads which will remain long in the field without bursting. Plants compact and short stemmed.



NEW EARLY WONDER

6E GOLDEN ACRE. The most widely used early cabbage maturing uniformly and all heads about the same time. Plants fast growing, medium green, small and compact with short stems. Heads are round, 6 to 7 inches in diameter with solid white interiors.

11C GOLDEN ACRE ELITE. An extra fine good yielding, short stem strain of Golden Acre. Proven to be an ideal variety for market gardeners and shipping. Heads round, firm, uniform, good color.

19A BONANZA. Crop can be harvested early for small to medium heads if market justifies or can be held in the field for later harvesting and growth. Heads round, extremely hard, attractive with short core and good foliage.

6A COPENHAGEN MARKET. A splendid second early, round head short stem sort, head averaging 4 to 8 pounds in weight. The compact growth of the plant, the solidity of the head, make it very popular with the market gardeners.

CABBAGE Continued

7B GLORY OF ENKHUIZEN. Plants short stemmed, light green. Heads are of good size, solid, flattened globe shaped. Matures between Copenhagen Market and Holland. Widely used for market and early kraut. For shipping, we prefer Wisconsin Globe.

9B DANISH BALLHEAD SHORT STEM. Holland grown. Plants 12 to 15 inches tall, blue-green, medium large. Heads deep, round, very hard. Excellent home and market garden variety and makes fine quality kraut.

8C FERRY'S HOLLANDER. One of the best varieties for late planting. Especially suited for direct field sowing but not recommended for disease infected soils. Plants are short stemmed, exceptionally good color, erect and compact, allowing close planting. Heads spherical, firm and solid. We can supply seed in originators 1 lb. bags at 25c per pound extra.

10C OAKVIEW BALLHEAD. A selection from Ferry's Hollander for a greater tonnage. Produces heads about 10 days later which are larger and slightly flatter than Ferry's Hollander.

9E NEW EVERGREEN HOLLANDER. A late variety, continues to grow and head even after heavy freezes. The greenest of all late cabbages, and retains its green color longer. Heads globe shaped, medium size, very solid and well covered with bluish green wrapper leaves. Plants medium stemmed and erect.

YELLOWS DISEASE RESISTANT STRAINS

Ground often becomes infested with a thread-like organism of fungi which causes a disease known as CABBAGE YELLOWS. Can be controlled in cabbage sick soils only by use of yellows resistant strains of seed.

The strains known as Wisconsin Golden Acre, Wisconsin Copenhagen, Wisconsin Globe, and Wisconsin Ballhead are the development of the University of Wisconsin and are all first generation seed.

12C WISCONSIN GOLDEN ACRE. The earliest of resistant round head cabbages. Selected from Elite Golden Acre. Heads globular, firm, clear white interior of fine quality. Plants short stemmed, very uniform, marketable heads usually 3 to 4 lbs. Outer leaves smooth, dark green. 85 per cent disease resistant.



WISCONSIN GLOBE

11A RESISTANT DETROIT (Improved). A selection from Early Copenhagen Market, but earlier. Heads slightly larger than Golden Acre which are globular to slightly flattened, short stemmed.

1A WISCONSIN COPENHAGEN. An early new development of the Resistant Copenhagen Strain. Heads uniformly round and very compact; matures evenly; can be planted close together for an abundance of small to medium size heads. Well adapted for market gardening, distant shipping, and kraut.

2E WISCONSIN GLOBE. The most widely used and leading shipping midseason variety in the Western area. A truly fine variety, producing excellent globe-shaped, medium sized, very compact heads with small core. Plants are sturdy with short stem. Heads are uniform and long; retain their green color. Produces a heavy crop even when closely planted.

18A IMPROVED WISCONSIN BALLHEAD. The best resistant of all Holland or Late Ballhead varieties. A great improvement over older strains as many undesirable features have been eliminated. Heads nearly spherical, solid and compact. Foliage blue-green. Plant is short stem. Will produce a heavy tonnage of uniform, medium size heads even if planted close. Matures so that 90% of the heads can be harvested at first cutting.

SAVOY CABBAGE

9A GREEN BALL SAVOY. The best of the savoy cabbages. Very attractive market gardener variety; very dark green; heavily savoyed; medium size; round heads with comparatively small outer leaves.

RED CABBAGE

114D RED HOLLANDER. Yellows resistant. 100 days. A round headed late red cabbage, very uniform, foliage purple red, heads solid and compact. A good storage variety. Highly resistant to yellows.

8E EARLY RED ACRE. 82 days. Heads and leaves a dark red purple, heads round, medium sized, and solid. Matures earlier than other varieties.

112A MAMMOTH RED ROCK. 105 days. Is a medium-late maturing variety. Heads are round, medium to large, hard, of dark bluish red color.

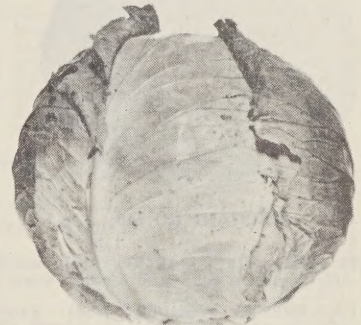
CHINESE CABBAGE

It combines the qualities and flavor of both celery and cabbage; very palatable as cole slaw or if boiled excels cabbage. Prized as a salad vegetable.

CULTURE: Same as turnip or lettuce. For spring crop plant as soon as danger of frost is over. For fall crop, plant in July. Sow seed in rows 24 inches apart and after established thin out to 12 inches apart in the rows. Irrigate and cultivate well. Do not allow ground to dry out.

26D MICHIHLI. Closely resembling Chihli but far superior. Is early and sure heading. Will remain in prime condition for a long time. Heads attractive, dark green, 18 in. tall, 3½ to 4½ in. thick tapering at top. Blanchers pure white inside. Crisp, tender with sweet, spicy flavor.

119A CHIHILI. Leaves are long, green and fringed on edge with white midribs. Heads elongated. Grows 18 in. tall.



WISCONSIN BALLHEAD

KING SIZE Pkt. 10c

CABBAGE, EARLY

	Days From Setting Plants	1/2 Oz.	Oz.	1/4 lb.	lb.	5 lbs.
New Early Wonder	62	\$.25	\$.45	\$1.25	\$4.00	\$16.50
Golden Acre	65	.20	.35	1.15	3.25	15.50
Golden Acre Elite	66	.25	.40	1.25	3.90	17.50
Bonanza	80	.25	.45	1.50	4.25	20.00
Copenhagen Market	74	.20	.35	.90	3.00	14.50
Ferry's Hollander	105	.25	.45	1.50	4.50	21.00
Ferry's Hollander (Sealed Bags)	105				4.75	22.00
Oak View Ballhead (Sealed Bags)	110	.40	.70	2.25	5.15	24.00
Glory of Enkhuiizen	80	.20	.35	.90	3.00	15.00
Danish Ballhead Short Stem	100	.25	.40	1.15	3.40	16.50
New Evergreen Hollander	115	.25	.40	1.25	3.50	16.25

YELLOWS RESISTANT STRAINS

	Days From Setting Plants	1/2 Oz.	Oz.	1/4 lb.	lb.	5 lbs.
Resistant Detroit	66	.30	.45	1.35	4.25	18.50
Wisconsin Golden Acre	62	.30	.50	1.60	4.25	19.50
Wisconsin Copenhagen	67	.30	.45	1.40	4.25	18.75
Wisconsin Globe	78	.30	.45	1.40	4.15	18.00
Resistant Globe (Imported)	78	.25	.40	1.25	4.00	17.25
Wisconsin Ballhead	100	.25	.40	1.25	4.25	17.50

RED CABBAGE

	Days From Setting Plants	1/2 Oz.	Oz.	1/4 lb.	lb.	5 lbs.
Early Red Acre	82	.30	.45	1.35	4.00	
Mammoth Red Rock	105	.25	.40	1.25	3.85	
Red Hollander, Yellows-resistant	100	.35	.60	1.75	7.00	
SAVOY, Green Ball	85	.25	.40	1.25	4.25	

CHINESE CABBAGE

	Days From Setting Plants	1/2 Oz.	Oz.	1/4 lb.	lb.	5 lbs.
Chihli	75	.15	.25	.80	2.50	
Michihli	70	.15	.35	.90	2.75	

CANTALOUPE

1 oz. will plant 60 hills; 2 to 3 lbs. to an acre

CULTURE: A rich sandy loam and good seed are necessary for success in raising the best melons. Muskmelons or Cantaloupes should not be planted on the same ground two years in succession. Seed should not be planted until the ground has become dry and warm. Ground should be deeply plowed. Plant in hills 5 to 6 feet apart each way, dropping 8 seeds to the hill. Cover with 2 inches of soil. When the plants have five or six leaves thin to two or three of the strongest plants per hill. Cultivate often but not too deep. Should be watered thoroughly about every two weeks.

11D HALE'S BEST IMPROVED No. 36. A beautiful melon developed from regular Hale's Best No. 36 for uniformity in shape and complete netting. Fruits oval, with exceptionally thick, deep, sweet, aromatic flesh. An outstanding, very fine quality melon for shipping and market and home garden. Weight, 3 lbs., packing mostly 36 to a crate.

15D HALE'S BEST 936. A hardy, larger fruited strain of Hale's Best. Fruits, oval, mostly 4 to 4½ lbs., heavily netted and uniform. The salmon flesh is sweet and of excellent quality.

14C RESISTANT NO. 45. (Hale's Best, Mildew Resistant). The most widely planted cantaloupe. Fruits uniform, oval, medium to large, netted with distinct ribbing. Meat salmon to light orange, thick, firm, fine texture and sweet. Can be picked ripe and still stand shipping. Resistant to some forms of powdery mildew.

14CT RESISTANT NO. 45 SELECTED CROWN SET. This seed is selected from the Early Crown Set melons and recommended to the critical growers.

29C PERFECTO, IMPROVED. Rust resistant and a good cropper. Very desirable for home and market gardens. Fruits nearly round, 3 lbs., with hard gray netting and no ribs. Flesh very thick with extremely small seed cavity, deep salmon color; fine grained, juicy, sweet and aromatic.



HALE'S BEST NO. 36

14E HEARTS OF GOLD. Grown extensively for local markets. Fruits nearly round, 3 lbs.; distinctly ribbed, deep green, covered with fine gray netting. Flesh very thick, deep salmon; tender, juicy sweet and aromatic.

12D ROCKY FORD or NETTED GEM. Green flesh. Fruits are small to medium, nearly round, weight 2½ to 3 lbs., with no ribs, but heavily covered with hard grey netting; flesh thick, green in color, with gold tinge at the center; juicy, delicious and of fine quality and texture.

MUSKMELONS

21D GOLDEN DELIGHT. All America Winner. An early, outstanding melon. We believe it will become one of the most popular for home garden and local market trade. Will produce high quality melons under adverse weather conditions. Fruit large, oval with thick salmon colored, sweet, fine grained flesh; earlier, larger and best flavor of any melon in its class.

13B EXTRA EARLY HACKENSACK. A popular first early sort for home garden and local markets. Fruits large, globular with flattened ends. Heavily ribbed with coarse netting. Flesh green, thick, of fine quality.

10B HONEY ROCK. Fruits amazingly sweet, heavily netted, oval in shape, medium size. Flesh fine texture, bright orange, delicious. Vines vigorous and productive. Excellent for home and market.

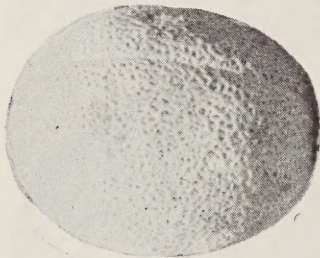
19B BENDER'S SURPRISE TIP-TOP. Fruit large; roundish to broad-oval, commonly 7½ inches long; skin slate-green ripening to yellowish; furrowed, but sparsely netted. Flesh thick; salmon-yellow; very juicy, sweet, and of good rich flavor.

Skin slightly rough, flesh thick, salmon-pink, excellent quality. Grows best in warm, sandy loam.

13D HONEY DEW GREEN FLESH. Fruits large, globular with smooth, hard ivory colored rind. When ripe flesh thick, very sweet, juicy, of pale emerald green.

14D HONEY DEW, GOLD RIND. Very much like the Green Fleshed Honeydew except 5 days earlier, and when two-thirds grown the rind turns to deep golden yellow; smooth and shiny. Flesh thick, green, of excellent rich flavor.

MUSKMELON-CANTALOUPE MIXTURE. This mixture is made of all the varieties we carry; the old-fashioned muskmelons; new varieties of cantaloupes. For a home garden such a mixture is very interesting and fine melons may be expected.



RESISTANT NO. 45

17E MILWAUKEE MARKET. Fruit nearly round, 6 lbs. Flesh thick, salmon color and of high sugar content.

118C GREELEY WONDER (True). Fruits weigh 5½ to 7½ lbs.; nearly round with prominent ribs and sparse coarse netting. Flesh thick, sweet and very juicy. Specially desirable for roadside trade and home gardens.

114E NEW YORKER or SCHOONS. A high quality melon suitable for shipping and handling because it has a hard, firm shell which is deeply ribbed. Skin gray-yellow. Fruits average about 5 to 7 lbs. Flesh salmon color, very sweet and spicy.

114A CRENSHAW. Earlier than Casaba. Plants vigorous, very productive. Fruits 7 inches long, 6 inches in diameter.

CANTALOUPE AND MUSKMELONS

	Days	King Size					5-lbs.
		Pkt.	Oz.	¼ lb.	lb.		
Crenshaw	100	\$.10	\$.20	\$.75	\$2.25		\$ 9.60
Extra Early Hackensack	80	.10	.20	.70	2.00		9.25
Greeley Wonder True	87	.10	.20	.75	2.10		9.50
Hale's Best Improved No. 36	86	.10	.20	.65	1.95		9.40
Hale's Best or Jumbo 936	87	.10	.20	.65	1.95		9.40
Hearts of Gold or Hoodo	89	.10	.20	.65	1.95		9.40
Honey Dew, Gold Rind	100	.10	.20	.75	2.10		9.50
Honey Dew, Green Flesh	105	.10	.20	.75	2.10		9.50
Honey Rock	87	.10	.20	.75	1.95		9.25
Milwaukee Market	90	.10	.20	.75	2.10		9.25
New Yorker or Schoons Hard Shell	90	.10	.20	.75	2.10		9.50
Muskmelon-Cantaloupe Mixture	--	.10	.20	.70	2.00		9.25
Perfecto Improved	88	.10	.20	.65	1.95		9.40
Resistant No. 45	88	.10	.25	.75	2.00		9.35
Resistant No. 45 Selected Crown Set	88	.10	.30	.85	2.25		9.50
Rocky Ford or Netted Gem	95	.10	.25	.70	1.90		9.25
Tip Top Improved Bender's Surprise	88	.10	.20	.65	2.00		9.25

ALL PRICES POSTPAID



STREAMLINER

- 9 CHANTENAY LONG TYPE.** A longer, slimmer strain of Chantenay with shorter top, but with longer, deep orange, 7 in. roots.
- 11 DANVERS HALF LONG (Red Core).** An attractive long strain of Danvers. Roots 7 in. tapered to a blunt end, similar color, tender and of good quality.

CARROTS

One oz. will sow 100 ft.; 3 lbs. for an acre.

CULTURE: A mellow, deeply worked soil gives the finest carrots. For early crop, sow as soon as soil can be worked in the spring and continuous plantings may be made as late as July 5th. Sow by scattering the seed in 3 inch broad strip rows not less than 15 inches apart. Scattering the seed in a broad row produces more carrots, better in shape and uniformity. Cover seed with $\frac{1}{2}$ inch soil mixed with one-fourth peat moss. Carrots do not require a great deal of water but should be kept moist until young plants are 2 inches above the ground. Frequent cultivation is very beneficial.

5A GOLD SPIKE. (New). An excellent shipping and pre-packaging variety was developed from the best strain of Long Type Imperator having a darker green, shorter and stronger top with a smoother skin. Roots average 8 to 10 in. long with a deeper, more attractive color than Imperator. Flesh solid deep orange with small insignificant core.

18 NANTES LONG STRAIN. One of the most popular carrots for the home garden; 6 to 7 in. long; perfectly cylindrical, slightly tapered and stump rooted. Flesh deep orange, small core. Ideal for quick freezing.

8A TENDERSWEET. Has a richness and quality of flavor not found in other carrots. Even when they have grown large, remain more tender and sweet than other carrots. Roots medium long, tapered, bright orange tinged with red. Flesh deep orange very small core.

93 IMPERATOR LONG TYPE. Most widely grown carrot for bunching and pre-packaging. Roots long, 9 inches, deep orange, smooth and slender, slightly tapered, excellent quality.

5D IMPERATOR (Short Top). Recommended for bunching. Tops abundant and strong but shorter than the other strains of Imperator. Roots uniformly tapered, 9 inches long; diameter at shoulder $1\frac{1}{2}$ to 2 inches; color rich orange.



IMPERATOR LONG TYPE
All-America Selection—Award of Merit

3A IMPERIDA (Short Top). Developed at University of Idaho Experimental Station. Tops definitely shorter than Imperator. Roots 8 inches long. Flesh orange color. An excellent bunching variety.

120D MORSE BUNCHING. Excellent bunching carrot for shipping trade and extensively grown for market growers. Tops short with strong stems. Does well in heavy ground. Roots 8 inches long, smooth; color dark orange; core small and inconspicuous.

CALIFORNIA BUNCHING
Same as Morse Bunching.

CARROTS

	Days	King Size Pkt.	Oz.	ALL PRICES POSTPAID			
				$\frac{1}{4}$ lb.	1 lb.	5 lbs.	10 lbs.
Nantes Strong Top	70	\$.10	\$.25	.70	\$2.00	\$9.35	\$18.00
Tuchon	70	.10	.25	.70	2.00	9.35	18.00
Gold Spike	70	.10	.30	.80	2.70	12.00	22.00
Chantenay, Long Type	72	.10	.25	.70	1.85	9.00	17.50
Danvers Half Long	75	.10	.25	.70	1.90	9.00	17.75
Danvers Red Core	75	.10	.25	.70	1.90	9.00	17.75
Imperator Long Type	75	.10	.25	.70	1.90	9.00	17.75
Imperator Long Type (Short Top) ..	75	.10	.25	.70	2.00	9.25	18.00
Imperida	75	.10	.25	.70	2.00	9.00	18.00
California Bunching	77	.10	.25	.75	2.00	9.00	18.00
Tendersweet	75	.10	.25	.75	2.00	9.00	18.00
Morse Bunching	77	.10	.25	.75	2.00	9.00	18.00

SWEET CORN

1 lb. plants 150 hills; 10 lbs. plant an acre

CULTURE: A rich, warm sandy soil is the best, but excellent sweet corn can be raised on any good, ordinary soil if it is deeply and thoroughly worked before planting. For first crop plant as early as can be done without risking great loss from frosts. If planted in rows, make the rows about 3 feet apart and place the seed 14 to 16 inches apart in the rows, covering 1 inch deep with fine soil pressed firmly down. If planted in hills, make the hills 3 to $3\frac{1}{2}$ feet apart and plant 6 kernels to the hill. When 6 inches high thin so as to leave 3 or 4 plants in the hill. Give frequent and thorough but shallow cultivation until the tassels appear.

NORTHERN HYBRID VARIETIES

Our Northern grown strains of Hybrid Corn are of special value to market and home gardeners because of their greater vigor, better qualities and increased yield.

The husk of most Hybrid varieties is much tighter around the ear right up to the tip and this feature keeps the kernels tender a longer time. Also is quite a protection against ear worms. Resistant to wilt.

BETTER STANDS—BIGGER CROPS
From



AT NO EXTRA COST TO YOU

67 EARLY GOLD RUSH. One of the best first early yellow Hybrids. Ears as large as Golden Cross and 10 days earlier. Stalks 6 ft., good foliage. Ears 7 in., well filled, 12 to 14 rows. Kernels tender, sweet, attractive yellow with light husk.

Turn Page

HYBRID SWEET CORN (Continued)

98 COLORADO GOLD HYBRID. A new corn that we highly recommend to market gardeners and shippers as it produces a heavy crop. Trials show it unusual in that almost every stalk produces two fine, large, uniform, high quality, long, cylindrical ears with 12 to 16 rows of rich yellow, rather deep kernels of excellent quality. Plants 6½ ft. tall, dark green leaves.

59 EARLY GOLDEN ROCKET. Stalks 6 feet producing large attractive ears 7½ in. of 10 to 14 rows of excellent kernels. Especially suited for gardeners growing for profitable early market.

28 SPANCROSS IMPROVED. Extra early, somewhat resistant to cold. Ears 6 to 7 inches with about 12 rows of yellow kernels, uniform in maturity, good quality, stalks 4 feet, stocky.

51 MARCROSS NORTHERN (Top Cross). This variety gets more pop-



IOCHIEF

ular each year. The largest eared (8 inch), early variety with 14 to 16 rows of tender, sweet, deep kernels; stalks 5½ to 6 feet. For main early crop we recommend this variety.

38 TENDERGOLD (Top Cross). A good, highly productive variety. Stalk sturdy with good foliage; highly resistant to disease. Ear nearly cylindrical, 12-16 rowed, kernels medium in width and depth, golden yellow, tender and of very good quality.

83 IOCHIEF. In many sections, Iochief is now the top favorite. Produces big, slightly tapered ears packed with 16 or more rows of extra deep, glossy, golden kernels. Flavor and

sweetness are excellent surpassing most other varieties. Stalk tall, strong, and very leafy.

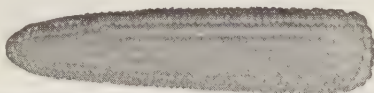
81 CARMELCROSS. An early hybrid with exceptionally good yields of large, high quality ears. Resistant to wilt. Kernels yellow, medium width and depth; good quality.

47 GOLDEN CROSS BANTAM. The outstanding main crop hybrid corn among market gardeners, home gardeners, freezers, and shippers as it is very productive and excels most other varieties in eating qualities. Stalks 6 feet, heavy foliage bearing two fine ears 3 inches long of 10 to 14 rows of yellow, plump, excellent flavored kernels.

20 GOLDEN CROSS BANTAM ELITE STRAIN. An extremely uniform strain; a little taller and more vigorous with 8 inch cylindrical ears of 12 to 14 rows of rich yellow, deeper kernels than regular Golden Cross; of fine eating quality; heavy yielder. Recommended for market gardener trade.

ALL SEASON HYBRID BLEND. This blend is made up of three very good hybrid varieties of corn, early, mid-season and late. For home gardeners who have only a limited amount of space and wish a succession of fresh, tender roasting ears throughout the corn season, all in the same plot.

117E HYBRID SOUTH AMERICAN POP CORN.



GOLDEN CROSS BANTAM ELITE

STANDARD NON-HYBRID YELLOW VARIETIES

56 EARLY GOLDEN SWEET. A fine extra early sweet corn, 5 to 10 days earlier than Golden Early Market. Especially recommended for sections with short growing season. Ears good size; kernels deep yellow, tender, and sweet.

25 EXTRA EARLY GOLDEN BANTAM. A new strain of Golden Bantam producing marketable ears about a week earlier than regular Golden Bantam. Ears 7 inches. Cob small filled with 8 rows of rather broad, good quality, tender, golden kernels. Stalks 6½ feet.

17 IMPROVED GOLDEN BANTAM. A strain of Golden Bantam that is extremely hardy withstanding unfavorable weather. Produces 1 and 2 uniform large thick ears of 10 to 14 rows of yellow, tender, deep kernels on 7 ft. stalks.

45 GOLDEN EARLY MARKET. Valuable early yellow variety, producing large attractive ears with 10 to 12 rows of moderately broad kernels of good depth. Stalks sturdy with abundant medium dark green foliage. A profitable early home garden and market sort.

43 GOLDEN GIANT. A midseason yellow variety. Ears long and thick at the butt; 12 to 16 rows of deep, fine flavored kernels of golden yellow color.

STANDARD WHITE VARIETIES

80 EARLY OR OREGON EVERGREEN. The ears of this fine corn are 9 inches long. 14 to 18 rows deep white kernels of excellent flavor. 8 ft. stalks, very leafy.

74 STOWELL'S EVERGREEN. 97 days. The best late white variety of sweet corn. Highly desirable for home and market garden. Stalks sturdy, leafy and erect; ears 2½ inches thick, uniform, 16 to 20-rowed. Kernels clear white, deep.

66 COUNTRY GENTLEMAN. Used widely by canners. Also desirable for home and market gardens for late crop. Stalks often with two ears. Kernels very deep, slender, sweet, with tender hull, and set irregularly without row formation.



GOLDEN EARLY MARKET

EXTRA EARLY GOLDEN BANTAM

IMPROVED GOLDEN BANTAM



MARCROSS NORTHERN

SWEET CORN PRICES

Hybrid Varieties, KING SIZE pkt. 10c; ¼ lb. 25c

	POSTPAID			NOT POSTPAID		
	Days	1 lb.	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Carmel Cross	70	\$.75	\$3.25	\$4.25	\$ 9.50	\$37.00
Early Golden Rocket	67	.75	3.50	4.75	11.00	41.50
Colorado Gold	77	.75	3.75	4.75	11.50	44.00
Early Gold Rush	66	.75	3.25	4.25	9.50	37.00
Golden Cross Bantam	80	.70	3.25	4.25	9.50	37.00
Golden Cross Bantam Elite	80	.75	3.40	4.60	10.25	39.00
Iochief	83	.75	3.40	4.50	10.00	38.00
Marcross Northern	70	.75	3.40	4.50	10.00	38.00
Spancross Improved	69	.75	3.25	4.25	9.50	37.00
Tendergold	76	.75	3.25	4.25	9.50	37.00
All Season Blend		.70	3.00	4.25		
Pop Corn—South American Hybrid		.70	2.75	4.25		
Open Pollinated Varieties Pkt. 10c; ¼ lb. 20c.						
Golden Giant	85	.55	2.00	2.30	5.50	20.00
Early Golden Sweet	70	.55	2.00	2.30	5.50	20.00
Extra Early Golden Bantam	72	.55	2.10	2.40	5.75	21.00
Improved Golden Bantam	80	.55	2.00	2.30	5.50	20.00
Golden Early Market	74	.55	2.00	2.30	5.50	20.00
Early or Oregon Evergreen	92	.55	2.00	2.30	5.50	20.00
Stowell's Evergreen	97	.55	2.00	2.30	5.50	20.00
Country Gentleman	95	.55	2.00	2.30	5.50	20.00

CELERY

1 oz. for 5000 plants; ¼ lb. for an acre

CULTURE: For earliest crop, to be ready for market or home use about July 15, seed should be sown indoors or in hotbeds around March 5, and for later crops seed may be sown any time up to the last of April. Late seeding can be started in cold frames or even in beds out of doors. For early crop transplant to open ground or field about May 1 and for later crop transplanting can be successfully done as late as July 20. Usually grown in rows 30 to 36 inches apart and plants set 8 inches apart in rows or can be grown in double rows 3 to 3½ feet apart. Regular dusting or spraying is advisable.

3E HARTNER'S COLORADO GIANT PASCAL. This is the old, well known, delicious Colorado pascal and surpasses all other celery in table quality. Plants are of medium height; have thick, large, well-rounded firm stalks of finest nutty flavor and crispness so highly esteemed for trenching and use during winter months.

21D GIANT PASCAL. Winter trenching variety. Stalk 7 in. long; outer stalks dark green; inner stalks smooth, rounded, thick, brittle, large heart and when papered or trenched, bleaches to a creamy white of exceptionally fine quality.

116A SUMMER PASCAL or SUMMER QUEEN. Ours is the Waltham strain which has proven best. Plants 25 to 26 inches, erect, compact, full hearted; stems thick, rounded, smooth, waxy, brittle and of excellent quality. Blanchers more readily than other large green varieties. No other strain of celery has met such great acceptance. A very good variety for keeping in storage or trenches.

115A GOLDEN SELF-BLANCHING (TALL STRAIN). Best self-blanching celery for Western culture. The earliest and largest of this variety. Extensively used as a summer crop. Plants, tall, 20 to 30 inches. Stalks medium thick, blanches very readily to a golden yellow color.

117D EMERSON PASCAL. One of the finest green celery yet developed. Medium early leaves, finely cut, resistant to blight, requires little or no spraying. Stems long, thick, and rounded without heavy stringy ribs. Excellent eating quality.

16C TALL UTAH 52-70. Tallest of Utah varieties. Plants erect and compact. Stalks are numerous, long, straight, thick, rounded, medium green with a waxy sheen, crisp, fleshy and of good quality. In comparison to Tall Utah No. 15 and 10B, plants are 1 to 2 inches taller; leaves darker green; stems 1 to 2 inches longer, thicker, smoother with a more waxy sheen and show less disease symptoms.

116C EARLY UTAH 10-B. Attractive and extensively planted variety of green or summer pascal. Plants tall, 26 to 28 inches; compact; erect. Stem long, 8 to 11 inches; straight, rounded, thick. Waxy in appearance and full hearted.

118A UTAH NO. 15. Plants are large with full heart, erect; height 26 inches. Stems 8 to 10 inches, broad, somewhat rounded and crisp leaves. Dark green.



TALL UTAH 52-70

CELERY, SELF-BLANCHING OR GOLDEN VARIETIES

Golden Self-Blanching Tall Strain

PASCAL OR GREEN VARIETIES

Hartner's Colorado Pascal

Giant Pascal

Emerson Pascal

Summer Pascal or Summer Queen

Tall Utah 52-70

Utah No. 15

Early Utah 10-B

Days

Pkt.

½ Oz.

Oz.

¼ lb.

Lb.

85

\$.15

\$.60

\$.90

\$2.90

\$10.00

110

.25

1.30

2.25

7.00

24.50

110

.10

.45

.70

2.25

7.50

105

.15

.90

1.50

4.50

12.75

110

.15

.90

1.50

4.35

12.50

118

.25

.95

1.65

5.50

19.50

120

.15

.60

.95

3.25

12.00

115

.15

.60

.95

3.25

12.00

ALL PRICES POSTPAID

CHICORY

CULTURE. Sow one inch deep in open ground in May in rows 18 inches apart. Thin plants to 4 inches apart, give frequent cultivation. In late fall roots should be lifted, the leaves and side-roots trimmed off, and the main roots placed upright in a trench and covered with leaves or dirt.

111B WITLOOF (French Endive). Market Gardener's Strain. (Pkt. 15c) (½ oz. 30c) (¼ lb. \$1.30) (lb. \$3.95).

18T LARGE ROOTED or COFFEE. The roots are popular as a coffee substitute. The young leaves may be used for salad. Culture the same as carrots. (Pkt. 10c) (oz. 30c) (¼ lb. 90c) (lb. \$3.25).

CUCUMBERS

One oz. to 60 hills; 2 lbs. per acre in hills, 4 lbs. in drills. WE CATALOG ONLY

THE LEADING AND BEST VARIETIES

4E THE COLORADO. (Or A. and C.)

A beautiful straight, long slender, dark green cucumber commanding a premium on the critical markets. It is a vigorous, productive variety.

121D NIAGARA. Mosaic resistant slicing cucumber with strong, vigorous vines and heavy leaves. Vines stand up much longer than most varieties. Fruits straight, good length, well colored. Outstanding for late crop.

6C CUBIT. Of special merit. 8 inches long. Same type as Colorado, but with straight sides and round ends, dark green color which is well carried to blossom end.

116F STRAIGHT "8". Is uniformly cylindrical, almost from end to end. Averages about 8 inches long. Produces very few ill-shaped fruits. Desirable as a shipping variety.

112E BURPEE HYBRID. Extremely vigorous. Vines live and produce after other varieties have ceased or died. Highly disease resistant. Produces one-fourth to one-third more fruit which are medium to long, straight. Color is good with slight mottling. Seed cavity small.

For Prices Turn Page



MARKETER

SLICING CUCUMBERS

CULTURE: Cucumbers prefer a heavy loam. After danger of frost has passed, plant the seed ¾ inch deep in rows 4 feet apart. Drill about 3 pounds seed to the acre and when plants have 4 or 5 leaves, thin to 1 plant every 18 inches. Can also be planted in hills 3 to 4 feet apart. Cultivate often and irrigate about once a week. Keep the cucumbers picked as fast as they reach the size desired. If fruits are allowed to remain on the vine, the vines cease to bear fruit. In picking be careful not to injure the vines.

1D MARKETER. The best in fine cucumbers. Very smooth, exceptionally deep green color over the entire

fruit, 7 to 8 inches long, trim in appearance. The crisp, white flesh is unusually firm with small seed cavity. Marketer produces heavily from early to late. Our strain is uniform and true type.

7D STAYS-GREEN or Black Diamond.

Extremely early, heavy yielder. Fruits 8 inches long, very dark green, retains its color long after picking. Splendid for shipping.

37 IMPROVED LONG GREEN. An old

favorite. Excellent for market and home garden. Where a two-purpose variety is desirable it is suitable for small pickles and dill size as well as slicing cucumbers. Hardy and prolific. Fruits deep green, straight, slightly tapered; flesh very white and crisp.

PICKLING CUCUMBERS

32A PRODUCER PICKLING. A new distinctive pickling variety bearing high per cent of female blossoms near the base of more compact vines resulting in earlier and heavier yields.

5B NATIONAL PICKLING. A late development by the National Pickle Association and is claimed to produce more pickles of uniform shape and size than any other variety.

5B CHICAGO PICKLING. Grown extensively for the large pickling establishments throughout the country. Fruit is medium, pointed at each end, deep green color.

118D GHERKIN WEST INDIA. Bears small cylindrical green fruits $1\frac{1}{2}$ inches in diameter covered with small elastic spines. Excellent as sweet pickles. Seed very small.

118B LEMON CUCUMBER — For preserves and pickling.



FORT MEYERS MARKET

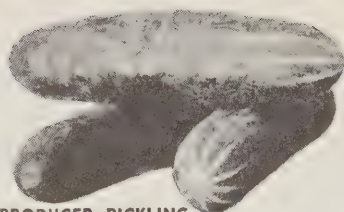
EGGPLANT

CULTURE: A rich, loamy warm soil produces the best plants and yields the highest number of fruits. Seed should be started indoors or in hotbeds sometime during February. After danger of frost has passed (or if earlier planting is desired), plants should be protected with hotcaps. Set plants 2 ft. apart in the rows which are 3 ft. apart.

119B FORT MEYERS MARKET. The most handsome of all eggplants. A productive high bush variety. Fruits large, smooth, egg shaped, 9 to 10 in. long, $5\frac{1}{2}$ to $6\frac{1}{2}$ in. in diameter at base, of deep purplish black. Plants 30 in., vigorous and upright holding the fruit well off the ground.

2B BLACK BEAUTY. Plants 24 to 28 inches tall. Usually bears 4 to 6 large, broad to oval, rich dark purple firm fruit.

117B FLORIDA HIGH BUSH. Plants are large and upstanding in growth, bear fruit off the ground. Fruits are elongated, cylindrical and purple in color. It is a heavy yielder.



PRODUCER PICKLING

MUSTARD

1 oz. to 100 ft.; 1 lb. drilled to acre,
2 lbs. broadcast



**SOUTHERN GIANT
CURLED LONG
STANDING**

appearance and of mild pleasant flavor, this is the best for greens. The large light green leaves are beautifully curled and fringed at the edges and are produced in great abundance. This strain is much slower to go to seed than others.

11B OSTRICH PLUME or FORDHOOK FANCY. The dark green leaves are sharply cut, curled and fringed over the entire surface and are very attractive. For greens or salads, it has a mild pleasant flavor.

120C FLORIDA BROADLEAF. A vigorous, large, smooth leaved, long standing variety, good edible qualities.

15A TENDERGREEN or SPINACH MUSTARD. Quick growing, fine, tender mustard, with spinach flavor. Leaves oblong, broad, fairly smooth.

CULTURE: Sow seed very shallow in any good garden soil early in the spring, in rows $1\frac{1}{2}$ to 2 feet apart or seed can be broadcast in beds. Several sowings a week or so apart give tender leaves throughout the season.

11E LONG STANDING SOUTHERN GIANT CURLED.

Handsome in

ENDIVE

1 oz. to 100 ft. of drill;
4 lbs. will plant an acre

CULTURE: For early crop, sow soon as ground can be worked. For main crop, sow June 15th to July 10th. Sow seed in rows 12 to 24 inches apart and when well established, thin to 1 plant per 10 inches. When the plant reaches maturity the inner leaves start to blanch a creamy white; this can be hurried by tying the outer leaves together or covering the plant with litter.

2C GREEN CURLED RUFFEC. Best of the green curled varieties because this is a white, not a pink ribbed type. The dark leaves are very finely cut with crumpled edges. Inner leaves readily blanch to creamy white.

5C DEEP HEARTED FRINGED. Is between Full Heart Batavian and Green Curled, but more upright in growth than either. Has large, dark green leaves with well crumpled and curled edges; heart compact which readily blanches itself to clear, creamy yellow.

7E FULL HEART BATAVIAN (Escarole). The finest of broad leaf endive. Plants medium large with compact hearts that are full, well bleached and tender.

KOHLRABI

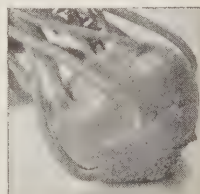
1 oz. will sow 200 ft.; 4 lbs. will sow an acre.

CULTURE: This vegetable, when young, is fine for table use. Combines a mild flavor of both cabbage and turnips. For early crop, sow in hotbeds, transplant, and cultivate like early cabbage. For winter use, sow in rows in the middle of June or first of July, transplanting or thinning to 8 inches apart.

22A EXTRA EARLY WHITE VIENNA.

SHORT-LEAVED. New early strain, short-leaved with slender stems; bulbs globular light green. When 2 to 3 inches in diameter best eating stage; flesh clear white, tender and crisp.

(Pkt. 10c) ($\frac{1}{2}$ oz. 20c) (oz. 35c) ($\frac{1}{4}$ lb. 90c) (1 lb. \$2.90).



**EXTRA EARLY
WHITE VIENNA**

CUCUMBERS, SLICING VARIETIES

	Days	King Size Pkt.	Oz.	1/4 lb.	1/2 lb.	Lb.
Marketer	60	\$.10	\$.25	\$.75	\$ 1.20	\$ 2.25
Stays-Green	60	.10	.20	.65	1.10	1.90
The Colorado	67	.10	.25	.75	1.20	2.25
Cubit	62	.10	.25	.75	1.25	2.10
Improved Long Green	70	.10	.20	.70	1.20	1.90
Straight "8"	68	.10	.25	.75	1.20	2.25
Niagara	70	.10	.25	.75	1.30	2.50
Burpee Hybrid	62	.25	2.75	8.75	16.50	30.00

PICKLING VARIETIES

	Days	King Size Pkt.	Oz.	1/4 lb.	1/2 lb.	Lb.
National Pickling	56	.10	.20	.65	1.10	1.90
Producer Pickling	55	.10	.25	.70	1.20	2.10
Chicago Pickling	59	.10	.20	.65	1.15	2.00
Gherkin West India	60	.10	.25	.75	1.35	2.35
Lemon Cucumber	--	.10	.20	.60	1.10	

MUSTARD

	Days	King Size Pkt.	Oz.	1/4 lb.	1/2 lb.	Lb.
Southern Giant Curled, Long Standing	60	\$.10	\$.20	\$.40	\$.75	\$ 1.35
Ostrich Plume or Fordhook Fancy	50	.10	.20	.40	.75	1.35
Florida Broadleaf	50	.10	.20	.40	.75	1.35
Tendergreen or Spinach Mustard	46	.10	.20	.40	.75	1.35

EGGPLANT

	Days	King Size Pkt.	1/2 Oz.	Oz.	1/4 lb.	Lb.
Fort Meyers Market	83	\$.10	\$.30	\$.50	\$ 1.60	\$ 6.00
Black Beauty	80	.10	.25	.45	1.50	5.75
Florida High Bush	85	.10	.30	.50	1.60	6.00

ENDIVE

	Days	King Size Pkt.	1/2 Oz.	Oz.	1/4 lb.	Lb.
Green Curled Ruffec	76	\$.10	\$.15	\$.20	\$.60	\$ 2.00
Full Heart Batavian	72	.10	.15	.20	.60	2.00
Deep Heart Fringed	75	.10	.15	.25	.65	2.25

LETTUCE

HEADING VARIETIES

1 oz. for 2000 plants or 100 ft. of drill; 1 to 2 lbs. per acre

CULTURE: It is not difficult to grow head lettuce, but it is necessary to first have good seed of the proper variety and suited to your conditions. Also necessary is good soil and water so as to insure steady growth from the time the seeds are planted until the heads are ready to use. Unless the soil is rich, we recommend liberal amount of manure or commercial fertilizer.

For home gardens, sow in row 2 ft. apart and after plants are about 2 weeks old, thin out leaving one plant every 12 in.

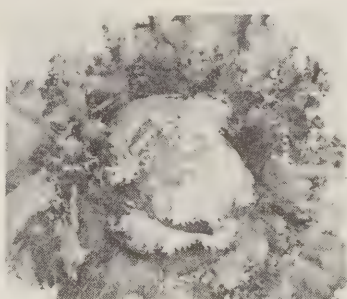
For large acreage, the most successful and best way is to plant 2 rows of beds 16 inches wide and 6 inches apart with 24 inches between the beds for irrigation ditch or can be planted in single rows 20 inches apart. Two weeks after it comes up it is usually large enough to be thinned to single plants to a distance of at least 14 inches. Cultivate thoroughly but not deep. Ground should not become dry but care must be used in irrigating. Keep crop clean of weeds at all times.

4 PREMIER GREAT LAKES — EARLY GREAT LAKES. Especially suited for Colorado and the Rocky Mountain Area. Outer leaves not as crinkled, with smoother base, and smaller ribs than other Great Lakes. Yields a very high per cent of early, well rounded, large, uniform heads. Slow to bolt, rather resistant to tipburn.

10D GREAT LAKES IMPROVED (SELECTED STRAIN). A very satisfactory and very uniform strain. Stands up well in hot weather. Plants are large, vigorous, and dark green. Heads large, firm, well folded. Outer leaves large with crinkled edges.

6 GREAT LAKES (SHIPPERS STRAIN). Will cut more shipping size heads than other varieties. A recent development of Great Lakes with somewhat crinkled leaves. It is the best strain for average conditions, such as heat adversities. Selected for its resistance to tipburn and sunheat. Heads large, uniform, well-rounded, bright green color.

10 NEW YORK PW 55. One of the surest heading varieties and unusually resistant to tipburn and slime. It is the result of many years of selection. Both in summer and fall will produce a high percentage of beautiful hard, symmetrical, well-rounded heads of medium to large size when grown on good, fairly rich soil.



GREAT LAKES SHIPPERS' STRAIN

9C NEW YORK 315. An excellent strain of New York for mountain, high altitude crops as it is a good header and slow to tipburn and bolt to seed. A rapid grower; heads large, well formed and slow to slime. At heading time it likes liberal amount of water.

9CT NEW YORK 199. An early variety; resistant to tipburn. Heads medium large, compact, attractive.

94 IMPERIAL 815 (847). A sturdy, robust strain selected from 847. The best Imperial strain for Colorado. Produces a surprisingly high per cent of No. 1 heads which are large, solid and of fine appearance. Is a tight header and will not stand long in the field when ready to harvest. Best suited for early summer and late fall crops.

LEAF AND LOOSE HEAD VARIETIES

CULTURE: Growing of the loose heading varieties is much the same as the New York varieties but much easier to grow. However, sow in 15-inch rows and thin the leaf varieties to 4 inches apart as soon as a few leaves are formed. For an early crop plants can be sown in hotbeds and transplanted to the open field.

12A SALAD BOWL. All American Gold Medal. Produces a bushy, rosette plant 6 to 8 inches in diameter; leaves are rather short, closely set, deeply cut of very tender texture; grows fast, slow to bolt, even in hot weather retains its table quality.

4B PRIZE HEAD. A large, loose-headed variety, leaves large, very curly, bright green tinted on edges with reddish brown; very crisp, sweet and tender. Desirable for home garden.

133E BLACK SEEDED SIMPSON. Withstands summer heat better than other varieties. Plants large, attractive, compact, with broad, light green leaves crumpled and frilled on the edges; crisp and tender.

7C GRAND RAPIDS. Most extensively used leaf lettuce. Plants upright. Leaves light green, large, broad, much waved and frilled.

13E GRAND RAPIDS TIPBURN RESISTANT, WASHINGTON STRAIN. A new introduction. Recommended for greenhouse culture. Tipburn resistant under glass; however, does well outdoors. Heavier in structure and slower to seed than regular Grand Rapids.

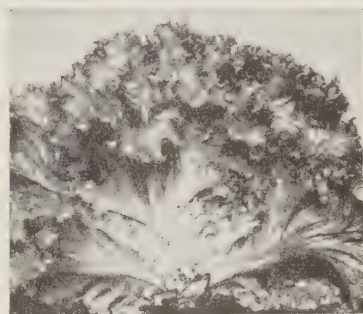
114B OAK LEAF. Tender and Delicious. Fine for All Seasons. The delicate, tender leaves are oak-shaped, grow close together in a compact attractive plant. The leaves may be cut repeatedly. Easy to grow and will stand without bolting longer than most looseleaf varieties.

112C BIBB. The most palatable lettuce. A very dark green butter-head variety; rather small, loosely headed; leaves smooth with thick main rib; excellent quality. Does best if planted early.

ROMAINE

114C TRIANON COS. The earliest and tallest romaine; leaves broad and long, medium green, slightly crumpled.

120B DARK GREEN COS. A medium large, dark green variety which forms a good sized, firm, well folded head with light green interior.



GRAND RAPIDS WASHINGTON STRAIN

LETTUCE, ICEBERG VARIETIES

	Days	King Size Pkt.	1/2 Oz.	ALL PRICES POSTPAID	Lb.	5 Lbs.
Premier Great Lakes Early	83	\$.15	\$.30	\$.50	\$1.50	\$20.00
Great Lakes Shippers Strain	89	.10	.30	.50	1.50	19.00
Great Lakes Improved Select Strain ..	88	.15	.30	.50	1.45	18.50
New York PW 55	83	.10	.25	.45	1.10	16.00
New York 315	85	.10	.20	.35	1.00	15.45
New York 199	85	.10	.20	.35	1.00	15.40
Imperial 815	84	.10	.20	.35	1.00	14.25
Imperial 847	84	.10	.20	.35	1.00	14.25

LEAF AND LOOSE HEAD VARIETIES

Salad Bowl	47	.15	.30	.55	1.25	3.80
Grand Rapids	45	.10	.12	.20	.60	2.00
Grand Rapids Washington Strain ...	45	.10	.12	.20	.70	2.25
Oak Leaf	43	.10	.20	.30	.70	2.25
Bibb	60	.10	.20	.30	.70	2.25
Prize Head	46	.10	.12	.20	.65	2.10
Black Seeded Simpson	46	.10	.12	.20	.60	2.00

ROMAINE

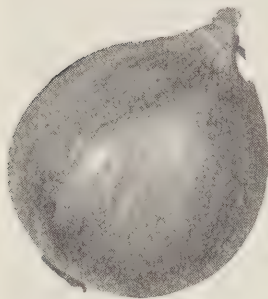
Trianon Cos	71	.10	.12	.20	.60	2.00
Dark Green Cos	68	.10	.12	.20	.60	2.00

ONIONS

1 oz. will sow 100 ft.; 4 to 5 lbs. for an acre

CULTURE: Onions can be grown on any good soil but with fertilizer better results will be obtained. Ground should be well worked and pulverized. Seed can be sown in the spring, just as soon as the ground can be prepared, as onion seed will germinate in cool weather. Sow about $\frac{1}{4}$ in. deep and in rows 12 to 16 inches apart. After they show above the ground give them a good light hoeing. For extra large bulbs, thin out gradually so that they stand 3 to 4 inches apart. For real early onions sow seeds indoors in early February and transplant to field in April.

YELLOW VARIETIES



No. 28
EARLY SWEET SPANISH

13C EARLY SWEET SPANISH

NO. 28. This early strain of Sweet Spanish has proven highly successful. It produces more pounds of beautiful, rich brown, small neck, large globe-shaped, firm, mild flavored onion, with a tough tight skin than any other strain of sweet Spanish. Very few doubles and thick necks.

5E NEW IDAHO NO. 6 SWEET SPANISH.

Selection out of Colorado No. 6 for keeping qualities, small neck, firmness and tight, tough dark skin. Slightly shorter tops, almost no thick necks or doubles.

HYBRID SWEET SPANISH

We have made numerous trials, grown crops for market, inspected many fields, and, as yet, we have not found a variety of Hybrid Sweet Spanish that comes up to the claims that are put out, or do these Hybrid Onions produce the results as advertised or is Hybrid Seed worth the extra cost.

- 7 **SWEET SPANISH, UTAH JUMBO.** This large strain is the result of year after year of careful selection of the largest and finest bulbs of Utah Yellow Sweet Spanish to get size and uniformity. Seed should not be sown too thick.

WHITE VARIETIES

5 **DRAKOS WHITE SWEET SPANISH**

JUMBO CERTIFIED. This fine and most popular White Sweet Spanish developed in Utah is the result of continuous careful selection. Produces not only the earliest but largest, heaviest yielding and best keeping White Sweet Spanish. Bulbs globular, uniform, with clear, glistening white skin almost free of green tint; necks small. Sold only in sealed bags.

12 **WHITE SWEET SPANISH JUMBO.**

This strain yields a high percentage of large bulbs which are uniformly globe shape with small neck, snow white skin and flesh; a heavy yielder.

12T **WHITE SWEET SPANISH REG-**

ULAR. A fine strain of regular White Sweet Spanish. Produces a heavy crop of medium to large bulbs which are well rounded and attractive.

22B **EXTRA EARLY WHITE BARLETTA**

(Imported Seed). The most popular onion for pickling. If seed is sown thick will produce small marble size crystal white bulbs, firm and mild; also makes excellent table onion if pulled early.

16D **SOUTHPORT WHITE GLOBE.**

The best keeping white variety. Bulbs are round, medium size, solid pure white and very attractive. The skin is thin; flesh fine grained and moderately mild.

14B **CRYSTAL WAX (L-690).**

A new, early, clear white, high sheen, flat but deeper and earlier than Regular Crystal Wax. Bulbs good size, uniform. Flesh very mild.

30D **WHITE EBENEZER.**

The best white variety for production of sets that will produce bulbs that are medium size, semi-globe shape. Flesh pure white, mild with silver tough skin. Very good keeper.



DRAKOS
JUMBO
WHITE
SWEET
SPANISH

- 12E **SWEET SPANISH, COREY.** A good strain of Sweet Spanish developed by Mr. Currier in the high altitudes of western Colorado through careful selection for many years resulting in uniform firm bulbs with heavy medium dark skin.

- 33B **MOUNTAIN GLOBE DANVERS (New.)** This strain is much better than the old Mountain Danvers. Equally as early but a heavier yielder and the bulbs are deeper, more globe shaped, very solid, well covered with a tight dark skin. An excellent keeper.

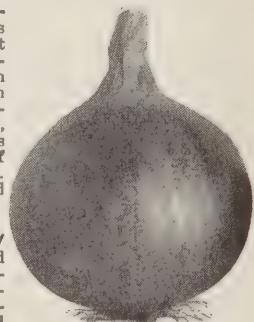
- 22D **EBENEZER YELLOW.** An excellent variety for producing sets of exceptional keeping qualities. Bulbs are medium size, thick and flat, dark yellow, very firm with thick skin.

19D **WINEGAR CERTIFIED YELLOW SWEET SPANISH.**

This early Utah strain is the result of many years of continued selection by Mr. Winegar with strict supervision of the Utah State Improvement Association. It is bred for earliness, uniformity, keeping qualities and large globular bulbs of firm flesh and heavy dark skin. Sold only in originator's sealed bags.

14 **SWEET SPANISH, P-W**

UTAH. A carefully selected strain of Sweet Spanish. Produces a large crop of very uniform, large, dark golden globular bulbs. Flesh is firm and of mild flavor. Very few doubles and thick necks.



MOUNTAIN
GLOBE DANVERS

- 25D **AUSTRALIAN BROWN.** An excellent keeping variety, bulbs chestnut brown, semiglobular with tight fitting skin. Used largely for sets.

- 30C **EARLY GRANO (Babosa).** Extremely early but not desirable for long keeping. Bulbs medium size, top-shaped, light yellow and very mild.

- 16C **BERMUDA EXCEL (U. S. 986) YELLOW.** Much earlier than the regular strain of Yellow Bermuda. It is deep flat shape, large bulbs. Skin yellow, flesh white and mild. Resistant to bolting and in every way a great advance in the Bermuda class.

TABLE OR BUNCHING VARIETIES

16 **WHITE LISBON BUNCHING GOLD SEAL.**

For over 33 years, this Gold Seal strain has never failed the critical market gardener (whose requirements are the finest quality green onions) produces long, slender, pure white, mild, fine flavor and most tender of all table onions with long, erect, dark green tops. Very slow to form a bulb even under adverse growing conditions.

15B **EVERGREEN LONG WHITE BUNCHING.**

It is hardy almost everywhere. Can be planted either in spring or fall. Best suited as a mid-summer crop as it withstands heat. Produces long, white stems with strong, extra dark green, erect, somewhat flattened tops. We prefer White Lisbon.



WHITE LISBON
BUNCHING

ALL PRICES POSTPAID. Write for Prices for Larger Amounts.

	Days	King Size Pkt.	1/2 Oz.	Oz.	1/4 Lb.	Lb.	5 Lbs.
ONIONS, YELLOW VARIETIES							
Early Sweet Spanish No. 23	110	\$.12	\$.25	\$.45	\$1.40	\$4.50	\$22.50
Winegar's Certified Yellow Sweet Sp.	115	.15	.35	.60	1.75	6.25	29.00
Sweet Spanish P-W Utah	112	.10	.25	.40	1.30	4.35	21.00
Idaho No. 6, Sweet Spanish	104	.12	.30	.50	1.65	5.50	26.50
Sweet Spanish, Corey	118	.15	.35	.55	1.65	5.00	23.00
Sweet Spanish, Utah Jumbo	118	.10	.25	.40	1.15	4.25	20.00
Mountain Globe Danvers, New	105	.10	.25	.40	1.20	3.40	16.25
Grano or Early Yellow Babosa	98	.10	.25	.40	1.25	4.25	20.00
Australian Brown	100	.10	.20	.35	.90	3.10	14.50
Ebenezer	102	.10	.20	.30	1.00	3.10	14.50
Bermuda Excel 986 Yellow	85	.15	.35	.55	1.65	5.00	20.00
WHITE VARIETIES							
Drakos Jumbo White Spanish Cert.	112	.15	.50	.75	2.35	7.75	37.25
White Sweet Spanish Jumbo	115	.12	.35	.50	1.60	5.00	22.50
White Sweet Spanish Regular	110	.10	.25	.40	1.10	4.50	20.00
Extra Early White Barletta (Import.) ..	90	.10	.25	.40	1.20	4.50	20.00
Southport White Globe	115	.10	.25	.40	1.20	4.00	19.50
White Ebenezer	102	.10	.20	.30	1.00	3.15	14.25
Crystal Wax L-690	95	.10	.25	.40	1.40	3.75	17.50
TABLE OR BUNCHING VARIETIES							
White Lisbon Bunching Gold Seal ..		.10	.25	.40	1.10	3.75	17.50
Evergreen Long White Bunching ..		.10	.25	.40	1.10	3.75	17.50

CELERIAC

CULTURE: The roots instead of the leaf-stalks of this kind of celery are the part used for food. Are excellent in soups and stews, or cooked and sliced for salad. Seed should be started in hotbeds or cold frames. Transplant to moist, rich soil, in rows 2 feet apart and 5 inches apart in rows. Give thorough cultivation.

113A LARGE SMOOTH PRAGUE. An improved variety producing large tubers of nearly globular shape and comparatively smooth surface.

(Pkt. 15c) (oz. 50c) (1/4 lb. \$1.50) (lb. \$5.00).

VEGETABLE OYSTER OR SALSIFY

Easily grown. A delicious vegetable when cooked surpassing in richness of flavor both carrots and parsnips with somewhat the flavor of cooked oysters. Habits and culture similar to those of parsnips. Roots for early winter use should be lifted in the fall and stored in sand, or can be left in the ground; in fact, frost improves the quality.

20D MAMMOTH SANDWICH ISLAND. This improved variety grows very large.

(Pkt. 15c) (oz. 35c) (1/4 lb. \$1.10) (1 lb. \$3.90). Postpaid.



LEEK

1 oz. will sow 100 ft.; 4 lbs. will sow an acre.

A species of onion which does not form a bulb, but is used for its mild, delicious root stem or neck. It is much sweeter and milder than the onion; used extensively for flavoring in stews, roasts, etc., where the onion taste is desired, or it can be boiled the same as onions and served with butter and seasoning. Culture same as onion but can be left in ground all winter.

113B GIANT CARENTAN or ELEPHANT. A large, vigorous strain with long, thick, clear white stalks.

(Pkt. 15c) (1/2 oz. 30c) (1/4 lb. \$1.50) (lb. \$4.75). Postpaid.

FENNEL

8T FLORENCE FENNEL (Finocchio). The base of the 20 in. plant forms large bulb. Both stalks and bulb make an excellent vegetable either cooked or fresh in salads. Has pleasant anise like flavor.

(Pkt. 10c) (1/2 oz. 35c) (1 oz. 60c) (1/4 lb. \$1.75). Postpaid.

Other Fennel See Herbs Page 24

KALE

1 ounce to 200 ft.; 4 lbs. to an acre

CULTURE: Sow seed in May in rows 2 feet apart and thin to 10 to 18 inches apart. Withstands a great deal of frost. Very hardy.

7A DWARF GREEN CURLED (Scotch). Plants 12 to 15 inches tall with 30 inch spread. Compact, leaves plume-like, finely curled, deep yellowish-green. Makes excellent "boiling greens."

(Pkt. 10c) (oz. 20c) (1/4 lb. 50c) (lb. \$1.75).

CHIVES



CHIVES

115C CHIVES. Attractive small perennial plant that can be grown almost anywhere. Culture same as onions. The green tops have a fine mild onion-like flavor, and are used for flavoring cottage cheese, soups, sauces, and meats, and also in salad. Also used successfully as a border plant. Forms a globe-shaped plant covered with small 1 in. round fully double purple flowers. (Pkt. 15c) (1/2 oz. 40c) (oz. 60c).

Chives Plants see Page 24.

CRESS

111B GARDEN CRESS (or "Peppergrass"). 45 days. Finely cut and curled leaves. Very handsome and has a pleasant, pungent flavor. Used largely in salads and for garnishing. Very easy to grow.

(Pkt. 10c) (1/2 oz. 15c) (oz. 25c) (1/4 lb. 75c).

115D TRUE WATER. The pleasant, peculiar flavor of water cress makes it one of the most delicate salads for table use. Will grow where there is a supply of fresh water.

(Pkt. 10c) (1/2 oz. 40c) (oz. 75c) (1/4 lb. \$2.50).

111C CORN SALAD. Large Leaved. Quick grower. Sow in early spring or September. Large leaves can be served like lettuce or excellent in mixed salads or cooked like spinach.

(Pkt. 10c) (oz. 20c) (1/4 lb. 60c).

DILL

113C DILL. Annual. 2 to 2 1/2 ft. The green leaves are nice for flavoring soups, stews and sauces; also used extensively in a minced state with lettuce. Dry or green branches and seeds are much prized for flavoring dill pickles and making dill vinegar.

(Pkt. 10c) (oz. 30c) (1/4 lb. 90c). Postpaid.



DILL

OKRA or GUMBO

CULTURE: When the ground has become warm, sow thickly in drills 3 feet apart, and when large enough thin out to a foot apart in the rows. One ounce will sow 30 feet of drill.

33A CLEMSON SPINELESS. A very uniform spineless strain of Perkins long podded type. Plants have less foliage, $3\frac{1}{2}$ to 4 feet tall. Pods pointed 7 to 9 in. Rich green, moderately ridged and straight.

29A DWARF LONG POD GREEN. Selected earliest variety and very productive. Plants dwarf, $2\frac{1}{2}$ feet high; sturdy and well blanched pods, 4 to $4\frac{1}{2}$ inches long; tender and fleshy.



ALL AMERICAN

PARSNIPS

1 oz. will sow 150 ft.; 4 to 5 lbs. required for an acre

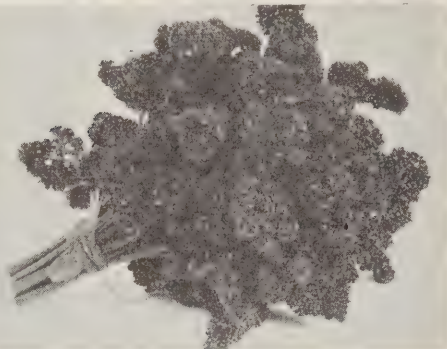
CULTURE: Parsnips grow best in a loose, rich sandy loam, but will make good roots in any soil that is reasonably rich and deep. Sow as early as practicable in rows 2 to $2\frac{1}{2}$ feet apart and after plants are 3 to 4 inches high thin to 3 inches apart. Keep the ground well worked and fairly moist. Parsnips are improved by freezing, and a portion of the crop can be left in the ground all winter.

31 ALL AMERICAN. Has become very popular for home and market. Roots are smooth, tapered, almost white; of medium length, broad shouldered with very few side roots. Flesh is white, tender, fine flavor with small core.

31T HOLLOW CROWN or GUERNSEY. Roots are 12 to 15 inches long; $2\frac{1}{2}$ to 3 inches thick at the shoulder. Tapered uniformly to the tip. Smooth, easily taken from the ground. Flesh fine grained, and good quality.

PARSLEY

1 oz. will sow 100 ft.; $2\frac{1}{2}$ lbs. will sow an acre



TRIPLE CURLED

CULTURE: Parsley seed is very slow to germinate, so plant the seed very early in the year, January is not too early. Have ground free from lumps and sticks. Sow in rows 1 foot apart or broadcast. Cover seed firmly $\frac{1}{4}$ inch deep. With Hamburg Rooted parsley, broadcasting is best and thin to 8 inches apart each way.

used just like parsley. Roots resemble a medium size parsnip. Adds pleasing flavor to soups and stews.

16A TRIPLE CURLED or MOSS CURLED. The most widely used and favorite of the curled varieties. Has beautiful, crumpled, curled, dark green leaves of pleasant aromatic flavor; on strong medium length stems; unsurpassed for garnishing.

18B NEW DARK GREEN PLAIN LEAVED. The leaves of this variety are dark green, borne on strong stems; are flat, deeply cut and not curled. Esteemed by many because it has a stronger flavor than other sorts.

16T PARAMOUNT. This new introduction was given the All American award as being the best in its class. Leaves are finely curled, good size, dark green color. Borne on strong, medium length stems.

112T ROOTED or HAMBURG. Has plain leaves, can be

SEED POTATOES

CULTURE: Potatoes can be grown in almost any soil providing it is fairly rich. Cut the potatoes in 4 or 6 pieces so there is at least one eye on each piece. Plant one piece 3 to 4 inches deep in hill 12 to 14 inches apart and rows 30 to 36 inches apart. Keep the soil loose about the hills. Do not water until soil becomes quite dry. Do not water by overhead sprinkling. For Psyllid or Purple Top, dust with Sulphur. For worms, use 5% or 10% DDT.

BLISS RED TRIUMPH. Leading red early variety; also popular for later planting; does well in most all districts. Tubers are almost round, deep eyes; skin beautiful red.

IRISH COBBLERS or EUREKA. Earliest white variety. Vines somewhat small and erect. Tubers irregular, tending to roundness, keep well in storage. It is quite resistant to mosaic, heavy yielder.

KATAHDIN. Result of breeding program of U. S. Department of Agriculture. Resistant to mild mosaic. Vines strong, upright. Tubers smooth cream-colored, short oval to roundish, with few very shallow eyes. Very heavy yielder.

RED McCLURE or PERFECT PEACHBLOW. Probably most popular variety in the state. Round red tubers. Late in maturing. Vine strong, upright.

RUSSET BURBANK; NETTED GEM; IDAHO RUSSETS. Require fertile soil and even moisture. Will not tolerate heavy soils or hot weather. Succeeds best at altitudes 6,000 to 8,000 feet. Medium size vine. Tubers cylindrical in shape; shallow eyes.

POTATO EYES BY MAIL

(8,000 to 12,000 Eyes to Acre)

We send potato eyes delivered, all transportation charges paid. We select the seed potatoes, using only the smoothest and the firmest. Then we remove the eyes, leaving enough flesh to assure a good plant that will produce potatoes. We guarantee these potato eyes to arrive in good planting condition. But we advise that you prepare your soil and have things ready for planting on arrival of the eyes.

Any variety listed, postpaid (25 eyes, 55c) (50 eyes, 90c) (100 eyes, \$1.55) (300 eyes, \$3.10) (500 eyes, \$4.70).

When ordering be sure to advise when you wish eyes to reach you.

OKRA OR GUMBO

Dwarf Green 60
Clemson Spineless 58

PARSNIPS

All American 95
Hollow Crown 95

PARSLEY

Moss Curled or Triple Curled 75
Paramount 85
Dark Green Plain Leaved Italian 80
Hamburg Rooted or German Parsley 90

POTATO PRICES

Irish Cobbler or Eureka
Bliss Triumphs
Red McClure or Peachblow
Russet Burbank or Netted Gem
Katahdin

ALL PRICES POSTPAID					
Days	King Size Pkt.	Oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	Lb.
60	\$.10	\$.15	\$.40	\$.70	\$1.30
58	.10	.15	.40	.70	1.25
Days	King Size Pkt.	Oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	Lb.
95	\$.10	\$.17	\$.45	\$1.60	\$7.25
95	.10	.17	.45	1.50	7.15
Days	King Size Pkt.	Oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	Lb.
75	\$.10	\$.15	\$.50	\$1.65	
85	.10	.15	.50	1.60	
80	.10	.25	.60	1.90	
90	.10	.15	.50	1.60	

PRICES NOT POSTPAID

5 Lbs.	10 Lbs.
\$.65	\$1.00
.65	1.00
.65	1.00
.65	1.00
.65	1.00

PEAS

One pound will sow 60 ft., 80 to 100 lbs., will sow an acre.

CULTURE: Peas require moderate temperature, plenty of moisture and good, fairly rich soil. The earliest crop can be planted when the ground is ready to work and later plantings can be made which will give you fresh peas all summer long, especially if you are growing them in the higher altitudes. Can be sown in single or double rows with about 2 inches between the seeds and rows 1½ to 2½ feet apart. The seed should be planted about 1 inch to 1½ inches under the surface.

69 ALASKA. Vines slender, light green, 30 inches high. Pods single, 3 inches long, blunt, light green, round, straight. Seeds small, round, smooth, bluish green. Can be planted very early.

55 AMERICAN WONDER. For home garden, very productive. Vines 12 to 14 inches high, dark green, fairly coarse. Pods 2¾ inches long, straight and well filled. Of fine quality.

49 LAXTON'S PROGRESS. The earliest large podded shipping variety, pods well filled, 4½ inches long, dark green vines grow 18 inches tall. Excellent for home garden and shipping.

48 LITTLE MARVEL. (Gold Seal). Majority of planters consider Little Marvel the sweetest and best flavored of all table peas. Bears an early heavy crop of well filled, plump, dark green, 3 inch pods on sturdy

18 inch vines. For the home garden three to one favorite.

68 LAXTONIAN. Vines short, dark green. Bears abundance of 4½-inch well filled pods with sweet large wrinkled peas.

63 EARLY GIANT. The earliest of all the large podded market garden peas. The vine is 22 inches and is very dark and heavy. The pods are about 5 inches long and very dark green, pointed, plump and round. Recommended for home and market gardeners.

60 GIANT STRIDE ROGERS NO. 95. Vines are vigorous, 27 inches tall, wilt resistant. Pods 4½ to 5½ inches, plump and dark green. Heavy yielder.

60T GIANT STRIDE NO. 40. Same as Rogers No. 95.

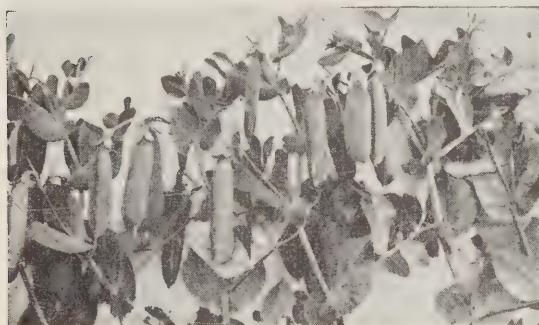
53 DARK DWARF TELEPHONE. Pods are very dark; little longer than the Stratagem, 4¾ inches; heavy yielder. Vines dwarf, sturdy and have heavier stems.

53T IMPROVED STRATAGEM (Gold Seal Quality). Very popular in the mountains and it is a very hardy and a very heavy yielder, of fine well-filled pods which measure about 4½ inches long. Vines are dwarf, grow 2½ inches to 3 feet high.

41 ALDERMAN. A handsome, large podded, late variety for home gardens and freezing. Plants tall, dark



GIANT STRIDE



LITTLE MARVEL

green. Pods large, plump, contain 8 to 10 peas of highest quality.

40 THOMAS LAXTON. An excellent all purpose variety especially for home garden and freezing. Vines 30 inches. Pods 3½ to 4 inches; well filled of high quality large peas.

40T FREEZONIAN. Specially developed for quick freezing. Vines dark green, 30 inches tall; pods 3½ inches. Peas medium large and sweet. Also a good garden variety.

44 EVERBEARING PEAS. Grow about 36 inches high; pods are about 3 inches long; of very fine quality. A constant and heavy bearer.

32D DWARF GRAY SUGAR. A double pea; the pods when half grown are excellent cooked the same as snap beans or later can be used as shelled peas. Vines slender and wiry. Pods fleshy, of good eating quality.



LAXTON'S PROGRESS

	Days	Lb.	POSTPAID		NOT POSTPAID			
			5 Lbs.	10 Lbs.	10 Lbs.	25 Lbs.	100 Lbs.	
Alaska	60	\$.50	1.75	\$3.15	\$2.15	\$4.25	\$16.50	
American Wonder	61	.60	2.25	3.65	2.75	5.50	21.00	
Dark Dwarf Telephone	76	.60	2.25	3.65	2.75	5.75	21.00	
Dwarf Gray Sugar	65	.60	2.25	3.65	2.75	5.75	21.00	
Early Giant	68	.60	2.35	3.70	2.75	5.75	21.00	
Everbearing	78	.60	2.25	3.65	2.65	5.65	21.00	
Freezonian	65	.60	2.35	3.70	2.75	5.75	22.00	
Giant Stride Rogers No. 95	74	.60	2.35	3.70	2.75	5.75	22.00	
Gradus	68	.60	2.35	3.70	2.75	5.75	22.00	
Improved Stratagem	78	.60	2.25	3.65	2.70	5.70	22.00	
Laxton's Progress	63	.60	2.25	3.65	2.70	5.70	22.00	
Laxtonian	64	.60	2.25	3.65	2.70	5.70	21.75	
Little Marvel	65	.60	2.25	3.65	2.70	5.70	21.50	
Thomas Laxton	64	.60	2.25	3.65	2.70	5.70	21.50	
Victory Freezer .....		.60	2.35	3.85	2.90	6.00	22.00	

PEPPERS

1 oz. for 1200 plants; ¼ lb. will plant an acre

CULTURE: Peppers require good soil, but the lighter type of soil seems to produce the best crops. Seed should be started in hotbeds or cold frames and transplanted to the open as early in May as possible but only after danger of frost is over. Plants should be set out in rows 2 to 2½ feet apart and 20 inches apart in the rows. Some rich fertilizer or commercial fertilizer worked into the soil when the plants are about 9 inches high will be found very beneficial.

SWEET PEPPERS

16E CALWONDER. Early California Wonder. Plants stocky. Fruits mostly 4 lobed, smooth, deep green, and uniform. Flesh thick, sweet, and mild.

16B RUBY KING. Grows about 4 to 5 inches long and is often 3 inches in diameter. Very productive.

14A PIMENTO or PERFECTION. Plants vigorous, upright, very productive. Fruit 3 inches long, heart shaped, smooth, glossy, deep green. Flesh very thick, very mild flavored.



CALIFORNIA WONDER

PEPPERS (Continued)

- 15C CALIFORNIA WONDER.** The most popular pepper for market gardening and shipping. Plants vigorous, upright, and prolific. Fruits mostly 4 lobed, upright, chunky, and very thick fleshed, sweet, and mild. Continues to bear a long time.
- 12B YOLO WONDER.** All America Selection. A new somewhat earlier California Wonder type pepper which yields a heavy tonnage of large, thick walled, blocky peppers; widely grown, especially where Mosaic disease is a problem.
- 115B HUNGARIAN YELLOW WAX SWEET.** An early sort. Plants dwarf and prolific fruit. Sweet pendent pods 1½ inches diameter at base and often 8 inches long of waxy yellow turning to crimson.

HOT PEPPERS

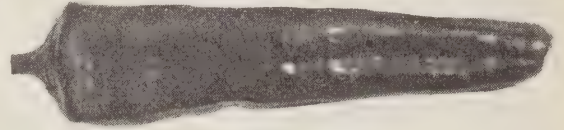
- 20A ANAHEIM CHILI.** A semi hot variety, used in salads and in cooking; also for canning, drying, and in making chili and tamales. Fruits large, 6 to 8 inches long and 1¼ inches in diameter with tip tapering to a point.

119C LARGE RED CHERRY. Plants vigorous, upright, prolific. Fruits round, smooth, solid, somewhat pungent. Color deep green changing to deep scarlet. Used in sauces, condiments and canned whole.

119CT RED CHILI. A late variety, used in the manufacture of pepper sauce. Bright red pods are about 2 inches long, tapering to a sharp point and exceedingly pungent.

11 LONG RED CAYENNE. A well known variety having a slender, twisted and pointed pod about 4 inches long, bright red in color, extremely strong.

HUNGARIAN YELLOW WAX HOT. Same as Hungarian Wax Sweet but pods are hot and pungent.



ANAHEIM CHILI

PEPPERS, SWEET	Days	KING SIZE		ALL PRICES POSTPAID		Lb.
		Pkt.	½ Oz.	Oz.	¼ Lb.	
Yolo Wonder	70	\$.15	\$.45	\$.70	\$2.00	\$6.00
Calwonder	70	.10	.40	.65	1.90	5.75
California Wonder	76	.10	.40	.65	1.90	5.75
Hungarian Yellow Wax Sweet	60	.12	.45	.70	2.20	6.50
Ruby King	65	.10	.35	.60	1.65	5.25
World Beater	70	.10	.35	.60	1.65	5.00
Pimiento Pepper	80	.10	.40	.70	1.80	5.50
HOT PEPPERS						
Anaheim Chili	78	.10	.35	.60	1.75	5.25
Large Red Cherry	82	.10	.30	.55	1.75	5.25
Red Chili	82	.10	.30	.55	1.75	5.10
Long Red Cayenne	68	.10	.30	.50	1.60	5.10
Hungarian Yellow Wax Hot	65	.10	.30	.60	1.75	5.50

SPINACH

HOLLAND GROWN SEED

1 oz. to 100 ft. of drill; 12 lbs. per acre in rows, 25 lbs. if broadcast

CULTURE: Spinach thrives in any ordinary soil but rich soil increases the size and quality and its cultivation is a very simple matter. For a succession, sow early in the spring and every two weeks thereafter. Sow seed in rows 16 to 20 inches apart. The best crops and heaviest yields are obtained when the growing plants are not crowded; 4 inches apart is best, or seed may be broadcast and thinned out to 5 inches. As spinach likes cool weather it does exceptionally well in our mountain valleys.



FIELD OF LONG STANDING BLOOMSDALE

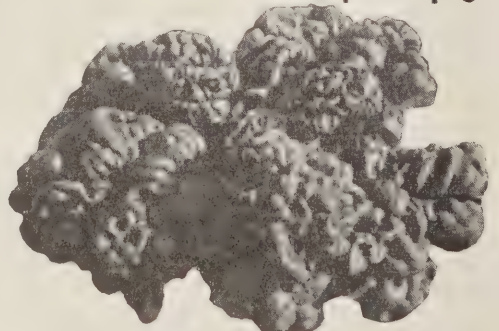
- 85 AMERICA.** America is the best spinach for warm weather. It is darker green and longer than any other spinach. It grows slowly but the thick, dark green, heavy crumpled, tender glossy leaves hold up in summer long after most spinach has gone to seed. Plants are low-growing, more compact than other kinds, and the yields are exceptionally heavy. All American Medal Winner.
- 87 BLOOMSDALE LONG STANDING DARK GREEN.** A quick growing hardy variety. Plants large, uniform, erect and sturdy. Leaves dark green, heavy and intensely crumpled. Remains a long time without bolting to seed. It is very valuable for both spring and fall crops. For hot summer crop, we recommend America.

BETTER STANDS, BIGGER CROPS—At No Extra Cost to You



- 90 BLOOMSDALE DARK GREEN (Reselected).** Distinguished by its deep colored leaves which are thick, broad, heavily crinkled and savoyed. Plants sturdy and spreading. Heavy yielder. A hardy variety which may be used for early spring sowing or for planting in the fall to winter over.
- 86 GIANT NOBEL (Long-standing).** Same as Gaudry. Extensively used variety especially in the Rocky Mountain states. A quick grower, plants are large, vigorous, and spreading producing large, thick, semi-curved and somewhat crinkled, very dark, green leaves. An excellent shipping variety and recommended for the home garden.
- 17B NORTHLAND or VIKING.** A very dark green selection out of Giant Nobel, equally as long-standing. Gives enormous yields.
- 12T MONSTROUS VIROFLAY.** A large vigorous growing variety with long, broad, pointed, thick, smooth leaves of deep green color.
- 13A NEW ZEALAND.** While this is not a true spinach, it furnishes an abundance of excellent greens throughout the summer. The large, spreading plants produce thick, fleshy leaves, and as the leaves are picked, the plant will continue to produce succulent new growth of leaves.
- 6T MOUNTAIN SPINACH (Orache).** Easily grown. Leaves excellent as spinach.

SPINACH PRICES—See Top next page



SINGLE PLANT OF AMERICA SPINACH

SPINACH

(Best Holland Grown Seed)	Days
America	48
Giant Nobel	45
Bloodsdales Dark Green ..	40
Monstrous Viroflay	40
Bloodsdales Long Standing	42
Northland or Viking	45
New Zealand	70
Mountain Spinach	50

If not Postpaid, 5c lb. less

KING SIZE

Pkt.	Oz.
\$.10	\$.15
.10	.15
.10	.15
.10	.15
.10	.15
.10	.15
.10	.15

ALL PRICES POSTPAID TO 4th ZONE

1/4 Lb.	Lb.
\$.20	\$.65
.20	.60
.20	.60
.20	.60
.20	.60
.20	.60
.40	.70
.50	

For larger amounts, write for prices.

5 Lbs.	10 Lbs.	25 Lbs.
\$2.60	\$4.85	\$11.75
2.40	4.70	11.25
2.40	4.70	11.25
2.40	4.70	11.25
2.40	4.70	11.25
2.40	4.70	11.25
3.25		

SWISS CHARD

CULTURE: 60 days. Easily grown; healthy and nutritious leaves cooked the same as spinach and mid-rib, when boiled, served as asparagus. Also makes delicious fritters. Culture is the same as table beets.

15 FORDHOOK GIANT. This variety continues as the favorite. Leaves much crumpled, dark green, very large, quite tender. The stems are pure white, fleshy, broad, and thick.

(King Size Pkt. 10c) (oz. 15c) (1/4 lb. 35c) (lb. \$1.15). Postpaid.

36 WHITE SILVER, LARGE RIBBED IMPROVED. Large, smooth, medium dark green leaves with silvery white stems, which are tender and of fine flavor.

(King Size Pkt. 10c) (oz. 15c) (1/4 lb. 35c) (lb. \$1.10).

32A RHUBARB CHARD. Same as other chard except stocks and leaf veins are translucent, crimson. Leaves much crumpled, dark green, fine flavor, plants often used in flower bed borders.

(King Size Pkt. 10c) (oz. 18c) (1/4 lb. 45c) (lb. \$1.35).

RADISHES

1 oz. will sow 100 ft. of row; 8 lbs. to an acre in drills, 12 lbs. if broadcast

CULTURE: One of the easiest crops to grow. Radishes will succeed in any good fertile soil. Sow about 1/2 inch deep in rows 1 ft. apart, or sow in bed by scattering the seed on the surface and rake well into the soil. Make successive plantings every week or ten days. When sowing beets, carrots, parsley, and parsnips, a few radish seed mixed in will help these other vegetables come through the surface crust and insure more young plants.

27 CHERRY BELLE EUROPEAN GROWN SEED. The finest of all round radishes and this is the best Cherry Belle strain. Produce a round, smooth, red radish resembling cherries in shape and color. Tops are short. Flesh is white and firm and will remain solid and crisp after all other radishes have become pithy. Cherry Belle is especially adapted to summer outdoor planting when most other varieties fail. Let Cherry Belle be your main crop radish.

2 CHERRY BELLE, American Grown. This strain only suitable for early spring and late fall. For some unexplainable reason, radishes grown from seed produced in America are never as good and produce larger tops especially in warm weather.

13 EARLY CAVALIER. A highly colored radish with medium tops best suited for early spring and fall planting. Roots bright true scarlet slightly olive shaped, uniform.

88 COMET. Very good strain of Scarlet Globe. Has the good qualities of Cavalier but a rounded instead of an olive shaped root which is bright scarlet; tops short to medium. Recommended for both field culture and forcing.



CHERRY BELLE EUROPEAN SEED

19C CRIMSON GIANT. A good home garden variety for out-of-door planting. Roots large, spherical, slightly top-shaped; beautiful deep crimson; the white flesh holds its firmness well.

11A FRENCH BREAKFAST. Early home garden variety. Roots oblong, blunt; about 1 1/2 inches long and 5/8 inches through; rich scarlet with white bottom; flesh white, crisp and firm.

35 SPARKLER WHITE TIP. Outstanding quality. Tops small, roots almost globular with small tap root, skin rosy carmine with lower third area a definite white.



FORDHOOK GIANT

34 LONG WHITE ICICLE. The best early white variety. Particularly popular in home and market gardens. Tops small. Roots long, tapered; very white throughout and brittle; of splendid quality until 5-6 inches long and 1/2 inch thick or larger.

18E CINCINNATI MARKET. Roots very attractive, 7 to 9 inches long, bright rose color on upper part, shading to white at the tip. Flesh white and crisp.

ALL SEASON RADISH MIXTURE. This is a well-balanced mixture including early, midseason and late varieties. It is quite interesting to have a mixed bed. We suggest you broadcast when planting.

FALL AND WINTER RADISHES

These are the varieties usually grown for late fall and winter use. If stored in a cool place, will keep until late winter. The varieties should not be sown earlier than the middle of June. Culture same as other varieties, but should be thinned out to 2 1/2 inches apart.

117C ROUND BLACK SPANISH. A winter sort with round roots, somewhat top-shaped, 3 to 4 inches in diameter; skin black, with cracked longitudinal lines; flesh white, crisp and of strong flavor. An excellent keeper.

18D CHINESE WHITE WINTER or WHITE CALIFORNIA MAMMOTH. Largest of all winter radishes and a favorite with the Japanese gardeners. Root grows 8 inches long and 2 to 3 inches in diameter. Pure white skin and flesh. May be used in all stages of growth. Flesh is solid, crisp and mildly pungent.

RADISHES

	Days
Cherry Belle, European Seed	24
Cherry Belle, American Seed	25
Early Cavalier	25
Early Scarlet Globe	24
Comet	26
Crimson Giant	30
French Breakfast	27
Long White Icicle	29
Sparkler White Tip	27
Cincinnati Market	30
All Season Radish Mixture	--

FALL AND WINTER VARIETIES

Round Black Spanish	60
Chinese White Winter	60

KING SIZE

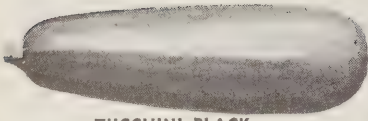
Pkt.	Oz.
\$.10	\$.15
.10	.15
.10	.15
.10	.15
.10	.15
.10	.15
.10	.15
.10	.15

ALL PRICES POSTPAID

1/4 Lb.	1/2 Lb.
\$.35	\$.60
.30	.55
.30	.55
.30	.55
.30	.55
.30	.55
.30	.55
.30	.55
.30	.55
.30	.55
.30	.55

Lb.	5 Lbs.
\$1.25	\$5.50
.85	3.90
1.00	4.50
1.00	4.50
.95	4.50
.95	4.50
.95	4.50
.95	4.50
.95	4.50
1.00	4.50
.90	4.25

SQUASH



ZUCCHINI BLACK

CULTURE: Thrive on almost any soil and require but little cultivation. Plant seed after all frost danger. Sow 4 to 5 seeds to the hill 1 in. deep, thin to 3 plants to each hill. Summer bush varieties should be planted in rows $3\frac{1}{2}$ ft. apart and hills 3 ft. apart in the rows. Winter trailing varieties 5 ft. apart each way. Use summer varieties at any size but are best and most delicious at baby stage. Winter varieties, if carefully handled, can be kept a long time if stored in a cool, dry place.

BUSH or SUMMER VARIETIES

1 oz. to 25 hills; 3 lbs. will plant an acre

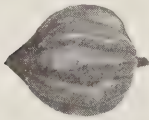
21C EARLY WHITE SCALLOP (Benning's). The most satisfactory and widely used of the White Summer Squash. Fruits pie shaped with scalloped edges. Have a deep green tint turning to cream color at maturity. Free of warts or knots. Plants large, prolific, and disease resistant.

21E EARLY PROLIFIC STRAIGHTNECK. Strictly bush compact, high-yielding summer squash. Fruits straight, almost smooth, of delicate creamy yellow color. Quality unsurpassed.

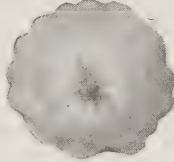
19E EARLY SUMMER GOLDEN CROOKNECK. Bears fruit of medium size, curved with curved neck, of a golden yellow color, and thickly covered with warts. Very prolific.

117B CASERTA. A bush squash of the Italian Cocozelle type. Yellowish green fruits irregularly mottled with dark green; 15 in. long, $4\frac{1}{2}$ in. thick. Flesh is tender and of delicious flavor. Extremely prolific throughout the season. Outstanding extra early for home and market. Best eating when quite young.

24E ZUCCHINI (Black). Becomes more popular each year. Fruits cylindrical. Attains 18 inches long, 4 inches diameter. Smooth, rich, dark greenish black, no striping or mottling; flesh firm, greenish white; delicate flavor, but most suitable for table when 6 to 8 inches long.



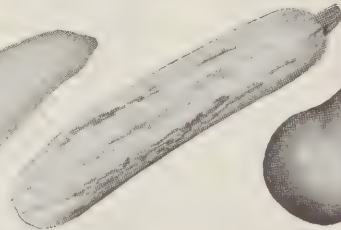
ACORN



BENNINGS WHITE BUSH



EARLY YELLOW PROLIFIC



CASERTA



BUTTERNUT

FALL and WINTER VARIETIES

28E BLUE HUBBARD. Average a third larger than other Hubbards and more prolific. Superior in edible quality to other Hubbard strains. Fruits large, round, pointed at both ends with very hard blue-gray rind. Weight 12-14 lbs. Flesh yellow-orange, thick, of fine flavor.

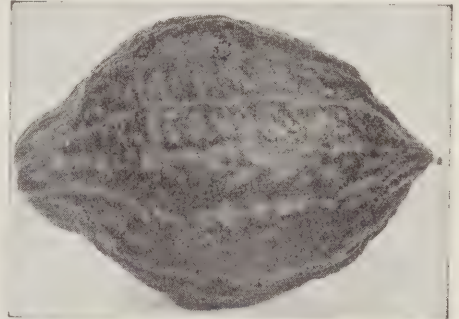
34 HUBBARD IMPROVED. Also called True Hubbard. It is one of the best for general purposes. The size is medium, the color deep green with a fair amount of warts. The rind is hard, the flesh thick and of fine texture and it keeps very well. The fruits are pointed at both ends.

21 HUBBARD WARTED. The largest of the green Hubbards. Color very dark green. Shell hard and heavily warted. Flesh deep orange-yellow, dry, fine grained, and of excellent quality.

22E BANANA (Pink). A long type of winter squash 20 inches long, 6 to 7 inches in diameter and becoming very popular. Color is pink or light orange, flesh thick, fine grained of yellowish orange and of sweet flavor.

20D TABLE QUEEN or ACORN

(Green). Desirable for home, market garden and also for shipping. Convenient for baking and serving in halves. Weighs only about $1\frac{1}{2}$ pounds. Acorn shaped fruits. Ribbed, smooth thin shell of very dark green color. Flesh light yellow. Bakes well with sweet, inviting flavor. Trailing in habit.



HUBBARD WARTED

23C MAMMOTH TABLE QUEEN (Royal Acorn). Identical with Standard Table Queen except third larger; thicker flesh.

33D UCONN. (All American Winner.) A table queen or acorn variety but earlier and grows on a bush instead of a vine. An all winter keeper. Fruits small, 5 inches long, 4 inches through, green becoming orange when over mature. Flesh sweet, stringless.

113D BUTTERNUT SQUASH. Matures early. Fruits 3 to 4 pounds, about 10 inches long, bulbous at bottom where small seed cavity is located; the neck is thick and solid. Rind thin and tough, creamy yellow. Flesh yellow, fine grained, excellent quality. Also delicious for pies.

21B BUTTERCUP. An outstanding winter squash, turban shaped with prominent button at blossom end, 6 to 8 inches in diameter, dark green with narrow gray stripes and slight mottling. Flesh, deep golden yellow, fine grain, very dry and pleasing flavor.

SQUASH, SUMMER BUSH VARIETIES

Early White Scallop Benning's	52	
Early Prolific Straightneck	52	
Early Summer Golden Crookneck ...	57	
Zucchini	66	
Caserta	58	

VINING or WINTER VARIETIES

Blue Hubbard	108	
Warted Hubbard	110	
Hubbard Improved	105	
Banana	105	
Uconn	75	
Table Queen or Acorn	80	
Mammoth Table Queen	84	
Butternut	95	
Buttercup	100	

King Size

Days	Pkt.	Oz.
52	\$.10	\$.17
52	.10	.17
57	.10	.15
66	.10	.17
58	.10	.20
108	.10	.20
110	.10	.20
105	.10	.20
105	.10	.17
75	.10	.20
80	.10	.15
84	.10	.15
95	.10	.20
100	.10	.20

ALL PRICES POSTPAID

1/4 Lb.	1/2 Lb.	Lb.	5 Lbs.
\$.45	\$.80	\$1.50	\$6.75
.45	.80	1.50	6.75
.45	.75	1.50	6.75
.45	.85	1.60	6.75
.50	.80	1.60	6.80
.50	.90	1.70	7.25
.50	.90	1.70	7.25
.50	.90	1.70	7.25
.45	.80	1.50	6.75
.55	1.00	1.85	7.50
.45	.80	1.50	6.75
.45	.80	1.50	6.75
.55	.95	1.75	7.50
.60	1.00	1.85	7.50

PUMPKINS

4 oz. will plant 100 hills; 3 lbs. will plant an acre

CULTURE: Sometimes grown in cornfields, but if grown as a separate crop, seed should be planted in hills 8 to 10 feet apart each way after weather and soil get warm. Hoe often till vines begin to run. Pumpkins do not require much water. Cut pumpkins from vine after the leaves die, leaving 3 or 4 inches of stem attached and store in a dry place. Handle carefully and avoid bruising.

116B CHEYENNE BUSH. Valuable to the home gardener because of its space-saving bush plant. This bright orange, thick meated pie pumpkin is of fine eating quality. Flesh is dry, orange in color. Fine textured. Prolific producer. Fruit approximately 8 inches in diameter by 5 inches in depth.

116F CONNECTICUT FIELD. Also known as Large Yellow. Popularly grown for home use as a pie pumpkin, as stock feed, canning, and Halloween decorations. Fruits large, 15 to 20 lbs., have a hard orange, smooth and slightly ribbed skin; the thick flesh is deep yellow in color, coarse textured and sweet.

122A DICKINSON. In recent years has become almost the standard canning variety. Noteworthy because of its brilliant orange, sweet and thick meat. Rind is buff colored, smooth and slightly ribbed. Shape varies from almost round to elongated round, average size, about 14 lbs. Good producer, Also recommended for stock feed.

116E KENTUCKY FIELD. Hardy and mid-season. Well adapted for either canning or stock feed. Dull yellow or buff colored rind. The shape runs from slightly flattened to elongated round. The bright orange flesh is coarse, sweet and of good quality. Similar to Dickinson. We prefer Dickinson.

22 SMALL SUGAR. Also known as New England Pie. This fine variety is the most generally used of all the pumpkins. The round fruits are flattened at both ends, and slightly ribbed, average 7 lbs., very prolific. The thick, bright orange flesh is dry, sweet and of unusually fine quality.



SMALL SUGAR

ALL PRICES POSTPAID

PUMPKINS	Days	King Size Pkt.	Oz.	1/4 Lb.	Lb.	5 Lbs.
Cheyenne Bush	100	\$.10	\$.15	\$.50	\$1.50	\$6.50
Dickinson	120	.10	.15	.45	1.50	6.50
Small Sugar	110	.10	.15	.45	1.40	6.00
Kentucky Field	120	.10	.15	.45	1.40	6.00
Connecticut Field	115	.10	.15	.45	1.40	6.00

TOMATOES

1 oz. produces 1500 to 2000 plants; 1/4 lb. per acre.

Varieties of tomatoes with too much vine are not as satisfactory for this area.

CULTURE: The best crops are grown on light, rich soil. In most sections the seed should be sown in hotbeds early in March or about 6 weeks before transplanting to the field. Sow seed in rows 4 inches apart and not over 1/2 inch deep. Enough plants for a small garden may be grown in shallow boxes or flower pots in a sunny window in the house. When the weather becomes warm out of doors, gradually harden them by exposing them to the air. When all danger of frost is past, set out in the open 3 or 4 feet apart each way. During the growing season do not allow the ground to cake or harden. Give plenty of cultivation until the vines cover the ground. One packet will produce about 200 plants; an ounce about 2,000.

EARLY F1 HYBRID. Rutgers' X Valiant. Many trials the past two years throughout the country have proved this the best F1 Hybrid. Comes in a week before and bears fruit larger than Rutgers'. Plants having unusually hybrid vigor and give much greater yields than other tomatoes. Performs well even under adverse conditions. (Pkt. 30c) (1/4 oz. \$1.00) (1/4 oz. \$1.75) (1 oz. \$5.50) (1/4 lb. \$18.00).

28C BEAUTY. A hardy grower, very prolific; large, smooth and a glossy crimson with a tinge of purple; grows in clusters of four to six large fruits, retaining its splendid size throughout the entire season. Flesh is very firm, has a tough skin and few seeds; seldom rots or cracks after rain.

28D CHALK'S EARLY JEWEL. One of the most satisfactory of second early varieties. Fruits flattened, bright red, firm and meaty, heavy producing. One of the finest for the home garden and canning.

25A JUNE PINK. The earliest of the pink-fruited varieties. Vine is open, spreading, and rather short. Fruits medium sized, flattened, smooth; color purplish pink.

30E EARLIANA. Certified. A first early sort, widely used for home gardens, and by truckers. Vine is open, spreading, medium small. Fruits flattened, globe shaped, medium sized, firm, bright red, smooth.

24A EARLY STONE. Certified. A new development. One week earlier than the Improved Stone. Vines heavy, large, deep green, and prolific; fruit larger than the Improved Stone, semiglobular, smooth, deep scarlet red and ripens well to the stem Interior deep red.

28A BOUNTY, EARLY. Especially recommended for dry land and sections with short season. Fruits are scarlet averaging 6 ounces, semi-globular of good quality. Plants small, short, may be set 2 feet apart in row.

24C JOHN BAER (Bonne Best). Splendid for market gardening and canning. Vines are of medium height, fruit medium size, semiglobular, very attractive bright red, smooth and quite firm.

25E LANDRETH. A second early fine general purpose tomato; highly praised by market and home gardeners; a good canner. Fruits deep scarlet red, oblate to nearly round, medium size, smooth, solid, of good quality. Adapted to pruning and staking if desired.

26C LIVINGSTON GLOBE. An excellent variety, well adapted to greenhouse production. Vine strong, with heavy foliage; prolific. Fruits large, full globe, smooth; purplish pink, ripens evenly.

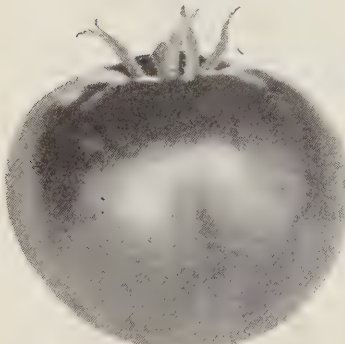
32C PEARSON IMPROVED. Leading tomato in this area. A splendid all-around heavy yielding tomato. Fruits are medium-large, semi-globe, smooth of good even red color. Thick skinned, inside rose scarlet, very meaty and full. Vine compact with ample foliage to protect the heavy set of fruit. Unusually free from cracks and other defects.

29D PONDEROSA or BEEF STEAK. Although a late variety, is one of the best for house use. Fruits deep purplish-pink; extremely large, deep but flat; very fleshy, mild flavor, with few seeds.

23A STOKESDALE. Certified. An early scarlet fruited variety maturing about 10 days earlier than Marglobe. Plant rather open in habit with medium heavy foliage. Fruits large, globe or sub-globe, smooth and well colored. Recommended where length of growing season is less than average.



EARLY F1 HYBRID
RUTGER'S X VALIANT



BOUNTY

TOMATOES (Continued)

25C WASATCH BEAUTY (Moscow). An early variety suited to Mountain States. Fruits: red; moderately large, round, firm and smooth with thick walls. Plants compact and prolific.

24B WISCONSIN NO. 55. Introduced by the College of Agriculture, Wisconsin. Vine vigorous, with some resistance to early blight and blossom end rot, open but fairly leafy. Fruits medium large, slightly flattened, of good scarlet color.

DISEASE RESISTANT VARIETIES

26A BREAK O'DAY. Plant light, of spreading habit; bears fruit early and very prolific; fruits medium large, orange red, globe shaped, and smooth.

20E MARGLOBE Certified. This main crop variety has come into wide use among large and small growers. Plants vigorous with heavy foliage, resistant to Fusarium Wilt and Nail Head Rust. Fruits medium large, nearly globular, deep red, smooth, solid with thick walls and cross sections.

22C RUTGERS Certified. A heavy favorite in nearly all important tomato growing areas. Uniform wilt resistant, with deep red skin and flesh. Ripens from inside out. Especially recommended as a shipper and market garden variety.



IMPROVED PEARSON

PRESERVING VARIETIES

26E YELLOW PLUM. Small, early, plum-shaped, bright yellow fruit; fine for preserves, sweet and delicious to eat. Highly productive.

26B RED CHERRY. Bright red fruit about the size of a large cherry, borne early and freely in large clusters all season. Delicious flavor.

TOMATOES	Days	King Size		ALL PRICES POSTPAID			
		Pkt.	1/2 Oz.	Oz.	1/4 Lb.	Lb.	
Bounty	62	\$.10	\$.30	\$.60	\$1.90	\$5.75	
Beauty	80	.10	.30	.60	1.90	5.75	
Early Stone	77	.10	.25	.50	1.50	4.50	
Early Stone Certified	77	.15	.35	.60	1.75	5.90	
Chalk's Early Jewel	75	.10	.25	.55	1.60	4.75	
Earliana	70	.10	.30	.60	1.85	5.60	
Earliana Certified	73	.15	.35	.70	2.15	6.50	
June Pink	71	.10	.30	.60	1.80	5.50	
The Landreth	76	.10	.25	.55	1.60	4.75	
Livingston Globe, Sealed Packets	85	.10	.40	.80	2.35	7.00	
John Baer	76	.10	.30	.55	1.65	5.00	
Pearson Improved	78	.10	.40	.70	2.15	6.50	
Ponderosa or Beef Steak	90	.10	.40	.70	2.15	6.50	
Stokesdale	72	.10	.25	.55	1.60	4.75	
Stokesdale Certified	72	.15	.30	.60	1.85	5.60	
Wasatch Beauty	72	.10	.30	.65	2.00	6.00	
Wisconsin No. 55	75	.10	.30	.65	2.00	6.00	
DISEASE RESISTANT VARIETIES							
Break O'Day	75	.10	.25	.60	1.80	5.00	
Marglobe Certified	82	.15	.35	.60	1.90	5.75	
Pritchard, Scarlet Topper	77	.10	.30	.55	1.65	5.00	
Rutgers	75	.10	.20	.50	1.50	4.40	
PRESERVING VARIETIES							
San Marzano	75	.15	.25	.60	1.80	5.50	
Yellow Plum	80	.20	.50	.90	2.75		
Red Cherry	72	.10	.35	.60	1.75		
			.35	.60	1.75		

TURNIPS

1 oz. will sow 150 ft.; 1 1/2 to 2 lbs. in rows, 4 to 5 lbs. broadcast will plant an acre.

CULTURE: Turnip is one of the first seeds to be sown in the spring. As soon as the ground can be worked, spade or plow deeply, and prepare the surface finely, raking off the clods and trash. Sow the seeds at once in the freshly dug soil; sow very thinly in rows 1 to 3 feet apart, or broadcast by raking the seeds into the soil 1/2 inch deep. When up, thin out to 3 inches apart. Soil should not be allowed to become hard or dry, for turnips to be good and mild must be grown quickly. Sowings at intervals of 10 days can be made until the end of August.

23 PURPLE TOP WHITE GLOBE. (Selected Strain.) 55 to 60 days. More of this variety planted than all other varieties combined, mainly due to three characteristics: First, fine appearance, being globe-shaped, flesh firm and white, skin smooth, pure white, except crown or upper portion, which is richly colored, maroon to deep purple. Second, it is exceptionally sweet and mild. Flesh is crisp, not stringy. Third, it is a quick grower and the yield is heavy; a good keeper.

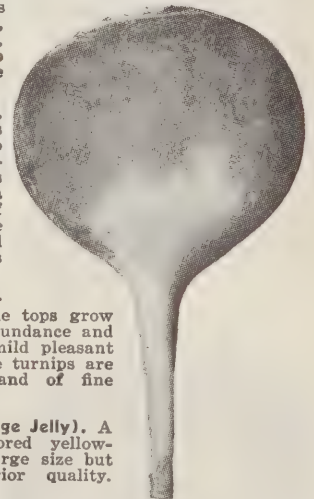
21A EXTRA EARLY PURPLE TOP MILAN. Extremely early, good for forcing, as well as garden culture. Tops small, compact, strap leaved. Roots medium small, very flat, white throughout. Small tap root. Grown for early bunch trade.

23E WHITE EGG. Tops medium size, upright, cut-leaved. Roots white, smooth, egg-shaped, 3 to 3 1/2 inches long, white throughout.

10E TOKYO MARKET. While in flavor it does not equal Purple Top White Globe, being extremely mild, but it has merit in that it has a dark green bushy top of medium length; the leaves full and broad with short stems. Stands heat very well.

31C SHOGGIN. Best Variety for "Greens." The tops grow rapidly and in great abundance and these "greens" are of mild pleasant flavor when cooked. The turnips are flattened, pure white and of fine texture.

23B GOLDEN BALL (Orange Jelly). A delicate and sweet-flavored yellow-fleshed turnip, not of large size but firm, hard and superior quality. Keeps well.



TURNIPS	Days	King Size		ALL PRICES POSTPAID			
		Pkt.	Oz.	1/4 Lb.	1/2 Lb.	Lb.	5 Lbs.
Purple Top White Globe	55	\$.10	\$.15	\$.40	\$.70	\$1.25	\$5.10
Extra Early Purple Top Milan	48	.10	.15	.40	.70	1.25	5.10
White Egg	60	.10	.15	.40	.70	1.25	5.10
Tokyo Market	52	.10	.20	.40	.75	1.25	5.10
Foliage or Shogoin .....		.10	.15	.45	.70	1.30	
Golden Ball	60	.10	.15	.40	.70	1.25	5.10
Amber Globe	70	.10	.15	.40	.70	1.25	5.10

RUTABAGAS

1 oz. to 15 ft. row; 1 lb. per acre

18C AMERICAN PURPLE TOP. (Gold Seal Quality.) A dependable variety for large scale production for storage and shipping. Roots large, round, with small neck and slight tap root; yellow with purple top; flesh light yellow, firm, sweet and tender.

24D LAURENTIAN (Neckless). A strain of purple top rutabaga. Tops short, practically neckless. Roots medium large, spherical, free from excess side roots; purplish red above ground, light yellow below. Flesh creamy yellow; firm, mild, and sweet. Excellent for shipping and storage.

RUTABAGAS	KING SIZE						
	Days	Pkt.	oz.	1/4 lb.	1/2 lb.	lb.	5 lbs.
American Purple Top	90	\$.10	\$.17	\$.35	\$.65	\$1.15	\$4.95
Laurentian .....		.10	.17	.45	.70	1.25	5.10

Our Watermelon seed is a superior product, grown under absolute isolation. No commercial picking is allowed.

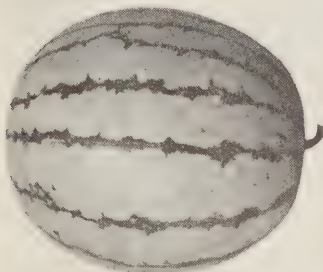
3 ozs. to 100 hills; 4 to 5 lbs. will plant an acre.

CULTURE. Watermelons do best in light, rich, well-drained sandy loam. Prepare hills about 8 feet apart each way. Drop 7 or 8 seeds in the hills, covering about 3/4 inch deep. As soon as plants commence to run, thin out to three best plants in a hill. Be careful not to irrigate too often. Watermelons are lovers of drought and frequent deep cultivation. A liberal amount of manure or commercial fertilizer will increase the yield. For best results watermelons should not be planted on ground where grown the previous one to three years. For extra early melons, use our Hotkaps. See page 68.

111C NEW HAMPSHIRE MIDGET. Extremely early. Melons 7 to 8 in. long, 5 in. oval-shaped. Very thin rind, light mottled green color. The orange-red flesh is solid and remarkably good and sweet for such an early variety.

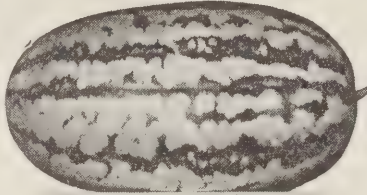
32E EARLY CANADA. Recommended for the north or higher altitudes where growing seasons are short. Medium size, nearly round, greenish gray, averaging 15 lbs., flesh bright red and of good quality.

30A NORTHERN SWEET. Adapted to shorter season areas. Fruits small, nearly round, medium green with dark green stripes; rind very thin. Flesh very deep red, crisp, sweet, good flavor.



DIXIE QUEEN

WATERMELONS



KLONDIKE STRIPED NO. 11

32 EARLY KANSAS. Has rapidly gained wide popularity on the markets of the midwest. Fruits are large, nearly round, dark green with alternate stripes of lighter shade. Flesh is firm, a rich red color, exceptionally sweet; seed reddish-brown.

30B DIXIE QUEEN. (Wilt Resistant). An excellent home garden and shipping melon. Bears an unbelievable number of almost round fruit weighing around 28 pounds. Rind thin and tough, light green color with dark green irregular stripes. Flesh rich scarlet, fine grained, tender, luscious flavor. Seeds are very small and white.

29B KING AND QUEEN (WINTER QUEEN). For home garden and local market. Fruits medium size, round, light green to ivory color. Flesh bright pink to red. Very firm, crisp, exceptionally sweet and juicy. When properly stored will keep for several weeks.

33C BLACKLEE (Wilt Resistant). A good shipper, very resistant to Fusarium Wilt. Fruits are medium large, cylindrical and blocky, averaging 30 to 32 pounds; dark blue-green with a thin but tough rind. Flesh is deep red, firm and sweet.

32B KLONDIKE STRIPED NO. 11. The earliest and largest of the Klondikes. We recommend it to those who grow melons for the market but should not be planted in localities where Fusarium Wilt is prevalent. Melons large with a tough, medium thin rind of light green color with dark rattlesnake striping. Flesh bright



PURPLE TOP WHITE GLOBE

scarlet, solid, deliciously crisp and sugary. Good keeper.

31D KLONDIKE STRIPED BLUE RIBBON WILT RESISTANT. A very fine melon similar to Klondike No. 11 and should be used where Fusarium Wilt is prevalent.

31E KLONDIKE NO. 7. (Wilt Resistant). Melons 16 inches long, 8 inches in diameter. Exterior dark green, thin rind but rather tough. Flesh very dark pink, sweet, free from fiber and very fine quality.

29E PEACOCK. Similar in many respects to Black Seeded Klondike No. 7 but with a much tougher rind. Melons oblong, blocky ends, many slightly furrowed lengthwise, 15 to 17 inches long and 9 inches in diameter. Skin dark green. Flesh distinct orange-red, good quality.

25B KLECKLEY SWEET NO. 6. An improvement over the regular Kleckley Sweet. Shows a very good degree of resistance to Fusarium Wilt. The long and cylindrical (22 x 12 in. and a weight of between 30 and 35 pounds) melons are very dark green with fine quality, bright-red flesh. Rind is very dark green and strong. A good shipper.

ROCKY FORD. Same as Kleckley Sweet.



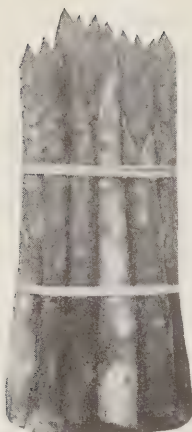
NEW HAMPSHIRE MIDGET

ALL PRICES POSTPAID

WATERMELONS

	Days	King Size Pkt.	Oz.	1/4 Lb.	Lb.	5 Lbs.
Early Canada	70	\$.10	\$.17	\$.50	\$1.50	\$6.75
Northern Sweet	77	.10	.18	.50	1.50	6.50
Early Kansas Red Seeded	85	.10	.18	.50	1.50	6.50
New Hampshire Midget	65	.10	.20	.60	1.80	8.50
Dixie Queen, Wilt Resistant	85	.10	.18	.50	1.50	6.50
Klondike Striped, No. 11	80	.10	.17	.50	1.65	6.75
Klondike Striped Blue Ribbon Wilt Resistant	87	.10	.17	.50	1.65	6.75
Peacock, Black Seeded Klondike	85	.10	.17	.50	1.65	6.75
Klondike Green Rind No. 7, Wilt Resistant	87	.10	.17	.50	1.65	6.75
Improved Kleckley	87	.10	.17	.40	1.50	6.50
Kleckley Sweet No. 6	88	.10	.17	.45	1.60	6.50
Rocky Ford	88	.10	.17	.40	1.50	6.25
King and Queen	88	.10	.17	.45	1.50	6.50
Blacklee	85	.10	.17	.45	1.60	6.50
Vine Peach or Lemon Cucumber .....		.10	.20	.60		

SETS, ROOTS, ETC. (No Nursery Stock Sent C.O.D.)



ASPARAGUS

An asparagus bed is easy to start and will supply an abundance of spears for over 10 years. Roots should be planted 3 in. deep in good soil as early in the spring as the ground can be worked, spacing them 15 in. apart in rows 2½ ft. or more apart.

TWO-YEAR-OLD ROOTS

	Per 25	50	100
Mary Washington	\$.75	\$1.40	\$2.35
Add Postage and Packing	.35	.44	.59

Write for prices on larger quantities.

MARY WASHINGTON

SEED should be sown as early in the spring as ground can be prepared. When the roots are 1 or 2 years old, transplant them to their permanent location.

113E MARY WASHINGTON. Very productive; very uniform; large, dark green spears.

30C MARY WASHINGTON 500 or CALIFORNIA 500. A new early prolific, rust-resistant strain of Mary Washington producing extra large spears up to 1 inch in diameter, which are uniform and dark green to the very tip.

117C PARADISE. Rust resistant. Produces a crop of medium large, green stalks. Will start bearing year earlier than other varieties.

ASPARAGUS SEED—PRICES Postpaid

	Pkt.	Oz.	¼ Lb.	1 Lb.
Mary Washington	\$.10	\$.25	\$.70	\$2.25
Washington 500	.15	.40	1.20	2.95
Paradise	.10	.35	1.05	2.85

1 pound will produce about 6,000 roots

HORSERADISH

This is one of the hardiest vegetables for the garden or farm. It gives results the first year. The larger roots can be taken up and stored for winter use. Crowns, 3 for 25c. Add Postage 23c.

RHUBARB

RHUBARB ROOTS. Very easily grown. Requires little water. In early spring, set in fairly rich soil just so the tops of the plants are even with the surface of the ground.

MCDONALD. (This variety not produced from seed.) Beautiful dark red color. Large tender stalks. Wonderful flavor for all purposes.

Root Divisions, each 35c; 3 for 75c.

Postage and Packing, each 23c; 3 for 34c.

VICTORIA. Very thrifty with long straight, green with red stalks.

Root Divisions, each 20c; 3 for 55c; doz. \$2.90.

Postage and packing, each 23c; 3 for 34c; doz. 49c.

11T VICTORIA SEED. (Pkt. 10c) (Oz. 30c) (¼ lb. 90c) (1 lb. \$3.00).

ANISE. Annual; 14 inches, grow for aromatic seed. Used in flavoring.

(Pkt. 10c) (½ oz. 25c) (oz. 40c).

BASIL, SWEET, LARGE LEAVED. The flavor of the leaves is spicy and it is desirable for salads and dishes containing tomato and cheese, egg plant, squash, carrots, peas and meat.

(Pkt. 10c) (½ oz. 25c) (oz. 40c).

BORAGE. Annual; leaves used in salads and drinks. Excellent for bees.

(Pkt. 10c) (½ oz. 30c) (1 oz. 50c).

CARAWAY. Biennial; 18 inches, produces seed first year, used in flavoring bread, cakes, cheese, etc.

(Pkt. 10c) (½ oz. 20c) (oz. 30c).

CATNIP. Perennial; 2½ feet, young leaves and shoots used for seasoning. Dried leaves for tea.

(Pkt. 10c) (½ oz. 30c) (oz. 45c).

DILL. Leaves are used in pickles and for flavoring soups and sauces, and to be sprinkled over meats.

(Pkt. 10c) (oz. 30c) (¾ lb. 90c).

CORIANDER. Annual; 2 feet, seed chiefly used by packers and confectioners. Also used in medicine.

(Pkt. 10c) (½ oz. 25c) (oz. 45c).



ONION SETS and PLANTS

For very early onions and in localities where the season is short, we recommend onion sets or onion plants. Either will produce early, green table onions or, if allowed to remain in the ground, will yield fine, large bulbs for autumn and winter use. Three to four weeks earlier than if grown from seed.

PRICES ON ONION SETS

Our sets are very best quality. Colorado grown and of proper size.

	1 Lb.	5 Lbs.	10 Lbs.
Brown Beauties	\$.40	\$1.70	\$3.20
Yellow Ebenezer	.40	1.70	3.20
White Silverskin	.40	1.70	3.25

If by parcel post add postage.

ONION PLANTS

Onion plants are field grown in Texas. We endeavor through frequent shipments to us to have them as fresh as possible. They are put up in bunches of from 80 to 110 plants to the bunch.

	Large bunch	10 bunches
Prices by Parcel Post, Prepaid to 4th Zone		
Sweet Spanish, Yellow and/or White	\$.40	\$2.95
White Bermuda (straw color)	.40	2.95
Crystal White Wax, Bermuda	.40	2.95

3 Bunches Any Variety, \$1.10

Ask for Special Price on Crate Lots

OTHER PLANTS AND ROOTS

PANSY PLANTS. See page 32 Giller's Super Giants No. 398A. (Doz. 85c). (Postage 29c).

CHIVES, Plants. Big bunch, postpaid.....\$.69 \$2.00

SAGE. One-year clumps, postpaid75 2.15

MINT ROOTS. Big clumps, postpaid49 1.35

TARRAGON. For Mixed Salads and Tarragon

Vinegar, postpaid59 1.65

For Seed of Chives see page 15.

GARLIC. Widely used for flavoring. Easily grown. The bulbs

should be separated into cloves or flakes and plant 2 in.

deep, 4 in. apart in rows. When top dies down, bulbs are

ready to be taken up and dried. Bulbs only—

(¾ lb. 20c) (1 lb. 65c) (5 lbs. \$2.90). Postpaid to 4th Zone.

HERBS

FENNEL, SWEET. Perennial; seed used for flavoring confections and medicine. Leaves used in fish sauces.

(Pkt. 10c) (½ oz. 30c).

HOREHOUND. Perennial; has strong aromatic odor, leaves used for seasoning; extract used in medicinal preparations.

(Pkt. 10c) (½ oz. 20c) (oz. 30c).

MARJORAM, SWEET. Perennial; of aromatic and pungent flavor, tender leaves used in seasoning.

(Pkt. 10c) (½ oz. 30c) (oz. 45c).

ROSEMARY. Perennial; has warm bitter flavor, leaves used in seasoning.

(Pkt. 15c) (¼ oz. 30c) (oz. 75c).

SAGE, BROADLEAVED. Used in dressing, sausage, etc. When once started will last for years. Should be in every garden.

Sow in the open ground. Thin to six inches apart.

(Pkt. 15c) (½ oz. 30c) (oz. 50c).

SAGE PLANTS. See above this page.

SUMMER SAVORY. Annual; 10 inch leaves and shoots used for seasoning.

(Pkt. 10c) (½ oz. 20c) (oz. 30c).

THYME, BROADLEAVED. Perennial; used for seasoning, also used as tea for nervous headache.

(Pkt. 15c) (½ oz. 40c).

MIXTURE ANNUAL or PERENNIAL HERBS. (Large Packet 15c).



ANNUAL FLOWER SEEDS

PERENNIAL FLOWER SEED — See Pages 38 and 39

HOW TO SOW FLOWER SEED

ANNUAL FLOWERS are those which grow, bloom, seed and die in one season. Usually they are the most continuous bloomers. The seed of most annuals may be sown directly in their permanent place; for earlier blooms seed should be started indoors. If that is not convenient, select a warm location in the yard for a seed bed, and after plants are established reset them to their permanent place. A fine, loose, mellow soil is best. Seed can be sown in rows or broadcast. Do not plant flower seed too deep. Usually a covering with fine pulverized soil equal to four times the diameter of the seed is best. Very fine seed may be merely pressed firmly in the soil. Never allow the covering soil to become dried and caked. A mixture of one-third fine peat moss and two-thirds fine soil used as a covering (especially for the finer seeds) will help considerably in getting a stand. When watering be sure to use a fine spray until the plants have gotten well through the surface.

ALL PRICES POSTPAID ACROCLINIUM (Everlasting)

Bears graceful daisy-like flowers, grown for winter bouquets and decorations. The flowers are usually cut when in the bud state and will open out as they dry.

101A—**Giant Double Hybrid Mixed.** New large flowering.
(Pkt. 10c) (1/4 oz. 25c).

AGERATUM (Floss Flower)

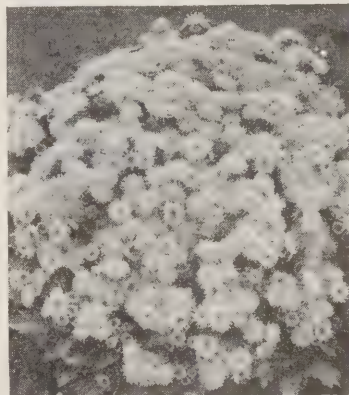
Very attractive free blooming dwarf border and rock garden flower. Easily grown from seed.

103A—**Blue Island.** Large flowers, deep blue. Plants 8 inches, heavy bloomer, uniform, compact; habit medium early.
(Pkt. 10c) (1/4 oz. 45c).

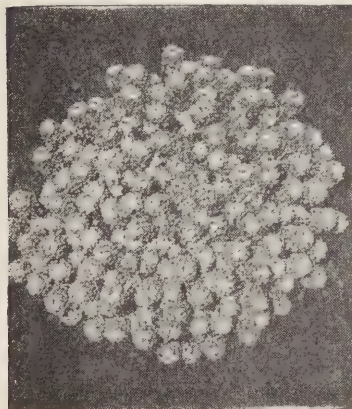
104A—**Imperial Dwarf Blue.** Blooms early. Plants 8 inches, compact, above which stand clusters of large, individual blue flowers.
(Pkt. 10c) (1/4 oz. 35c).

105A—**Fairy Pink.** Delightful salmon pink clusters of flowers on 6 inch plants.
(Pkt. 10c) (1/4 oz. 45c).

106A—**Imperial Dwarf White.** Pure white flowers. Plants 7 inches tall, compact, especially adapted for low planting and edging.
(Pkt. 10c) (1/4 oz. 35c).



IMPERIAL DWARF BLUE



ALYSSUM, ROYAL CARPET

ALYSSUM

One of the easiest flowers grown. A quick bloomer, for borders, baskets, pots, rock work and for cutting. Blooms all season. In borders, sow thickly so as to form masses.

107A—**Royal Carpet. All-America Winner.** Plants are low and spreading, 2 or 3 inches high, 10 or more inches across, fully covered with large heads of rich Violet or vibrant purple flowers. Distinct.
(Pkt. 20c) (1/16 oz. 40c) (1/4 oz. \$1.25).

108A—**Violet Queen.** Plants are dwarf compact, neat in habit, covered with small sweet scented flowers of a rich, very deep shaded violet from early summer until late fall. Excellent for borders.
(Pkt. 10c) (1/4 oz. 30c) (1/2 oz. 40c).

111A—**Snow Cloth (Improved Carpet of Snow).** Extra dwarf, 3 inches, covered with delicate white flowers.
(Pkt. 10c) (1/4 oz. 20c) (1/2 oz. 30c).

112A—**Little Dorrit.** Forms perfect little bushes 4 inches smothered with miniature white flowers.

114A—**Maritimum (Sweet Scented Alyssum).** Grows 8 to 10 inches tall. Flowers pure white recommended for fragrance and mass effect.
(Pkt. 10c) (1/4 oz. 20c) (oz. 50c).

Alyssum Perennials. See page 53.

AMARANTHUS

Plants are hardy annuals and are grown for their brilliant foliage. Especially suitable for backgrounds, centers of beds.

115A—**Aurora. (Improved Joseph's Coat).** Plants 3 to 3 1/2 ft. Foliage scarlet crimson, richly variegated with yellow and bronze-green.
(Pkt. 10c) (1/4 oz. 35c).

116A—**Caudatus (Love-Lies-Bleeding).** Long drooping crimson flower spikes with yellowish green foliage. 3 1/2 feet tall.
(Pkt. 10c) (1/4 oz. 20c) (oz. 45c).

ANCHUSA (Capensis)

118A—**Blue Bird.** One of the best blue annuals. 2 feet tall covered with intensive blue flowers with white eyes, blooms all summer.
(Pkt. 10c) (1/4 oz. 25c).

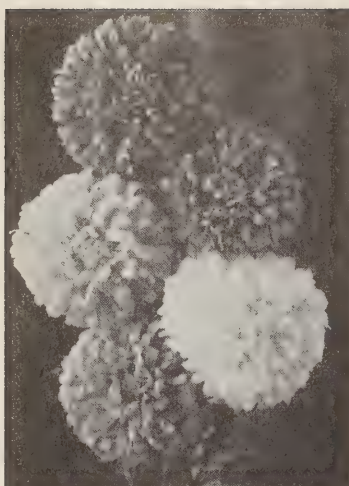
Also see Perennial Varieties, page 38.

ANTIRRHINUM. See Snapdragon, page 35.

ARCTOTIS. See African Daisy, page 28.



AMARANTHUS, AURORA



ASTER, NEW EARLY WONDER

ASTERS

The asters are now among the most interesting, beautiful and satisfactory of flowers; charming new colors and gigantic size have been added in recent years. Asters are easy to grow. They prefer rich, well-drained soil and a warm, sunny location. Seed can be sown outdoors but for earlier blooms seed should be sown in March or April in the hotbed or in boxes, and when the plants have three or four leaves transplant to the open, 18 inches apart each way.

DISEASES OF ASTERS

The two main diseases of asters are aster wilt and aster yellows. Wilt can be avoided by using wilt resistant seed. But Yellows is a virus, and is somewhat more difficult to control. Regular spraying with Isotox or D.D.T. helps considerably to kill the leaf hoppers that carry the disease.

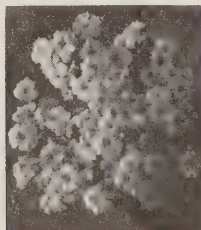
EARLY QUEEN OF THE MARKET—Wilt Resistant. Two weeks earlier than most others. Branching habit. 1½ feet tall, beautiful shades. Fine for cut flowers.

122—Mixed.
(Pkt. 10c) (¼ oz. 35c).

PRINCESS—Wilt Resistant. Plants 2½ feet, branching. Very attractive new cutting type. Early blooming. Flowers 3 to 3½ inches with full crested yellow centers surrounded by several rows of dainty plumelike petals.

125A—**Goldlocks**, deep yellow.
126A—**Elizabeth**, pure white.
127A—**Susan**, deep blue.
128A—**Marsha**, Cinnabar, scarlet.
129A—**Barbara**, orchid.
130A—Mixed.

Any of the above: (Pkt. 15c) (¼ oz. 50c).



BABY'S BREATH
(Gypsophila)

CREGO GIANTS OR OSTRICH FEATHER—Wilt Resistant. This is the finest of the Comet Asters. Flowers large, double and have long, narrow, gracefully curled petals. Plants grow about 2½ feet tall.

131A—**Deep Rose**.
132A—**Crimson**.
133A—**Royal Purple**.
134A—**Shell Pink**.
135A—**Light Blue**.
136A—**White**.
137A—Mixed.

Any of above: (Pkt. 10c) (¼ oz. 35c) (oz. \$1.20).

EARLY AMERICAN BEAUTY—Wilt Resistant. Identical with American Beauty but blooms earlier. Plants branching 2½ feet tall. Flowers fully double with prettily incurved petals 4 inches across, compact; unusually long stemmed; excellent cut flower.

140A—Mixed all colors.
(Pkt. 10c) (¼ oz. 35c).

NEW EARLY WONDER—Wilt Resistant. ball-shaped and of open, spreading growth. 15 inches tall. Long stemmed large flowers. Earlier and larger flowers than Queen of the Market.

BABY'S BREATH (Gypsophila)

Small, fragrant flowers, borne on long feathery stems. No flower adds more of light and grace to a bouquet than this, and when once grown will be found indispensable.

142A—**Convent Garden—Florist Strain.** An Improved Giant, pure white, 8 to 9 overlapping petals. Best white.
(Pkt. 10c) (½ oz. 30c).

143A—**Elegans Crimson.** A beautiful shade of carmine.
(Pkt. 10c) (½ oz. 20c).

Perennial Varieties, see Gypsophila, page 39.

BABY BLUE EYES (Nemophila)

Hardest of annuals. Early culture for shade.

145A—**Insignis Blue.** Lovely cup-shaped sky-blue flowers with white centers. Rock garden plant.

BACHELOR BUTTON

Plants grow 2 to 2½ feet tall and if faded flowers are kept cut they will produce continuously double blooms on long stems throughout the summer and fall. Fine for beds, borders and cutting. Also called Ragged Sailor, Ragged Robin and Cornflower. Do well in cool, partly shaded location. Easy to grow.

147A—**Blue Boy.** Double. Exquisite cornflower blue.

148A—**Maroon Boy.** Double. Maroon.

149A—**Red Boy.** Double Deep red.

150A—**Snow Man.** Double. Graceful large white.

151A—**Pinkie.** Double. Lovely true pink.

152A—Mixed. Double. All colors mixed.
Any of the above — (Pkt. 10c)
(2 pkts. 15c) (¼ oz. 20c).

153A—**Jubilee Gem.** Extra dwarf. Bushy. Double, dark blue flowers. Vivid green foliage.
(Pkt. 10c) (¼ oz. 25c).



BALSAM CAMELLIA

BALLOON VINE (Love-in-a-Puff)

Hardy annual climber growing 10 feet in height. Foliage light green. Bears small white flowers, followed by inflated seed pods resembling small balloons. Used mostly to cover fences, etc., because of its free and rapid growth.

154A—(Pkt. 10c) (oz. 30c).

BALSAM (Lady Slipper)

A very easy and satisfactory annual to grow.

155A—**Camellia Flowered.** Plants 2 feet tall, bushy, covered with large double blooms.
(Pkt. 10c) (¼ oz. 25c).

156A—**Rose Flowered.** Bears a profusion of rose shaped flowers of many colors in the axils of the leaves on short stems. Plants bushy, 2 feet.
(Pkt. 10c) (¼ oz. 25c).

BURNING BUSH. See Kochia.

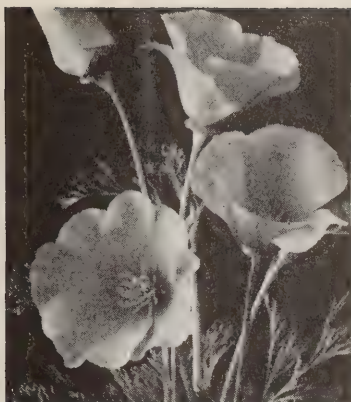
CACALIA (Tassel Flower)

An easy growing annual suited for borders and cutting. Each flower is a miniature paint brush borne on long, wiry stems. Red, orange and yellow blossoms.

158A—Mixed.
(Pkt. 10c) (½ oz. 20c).



BACHELOR BUTTON, BLUE BOY



CALIFORNIA POPPY (Eschscholtzia)

CALLIOPSIS

Easily grown in almost any location. Very showy, daisylike flowers in a wide variation of yellow and orange tones with finely cut foliage. Blooms continuously.

159A—**Golden Wave**. Semi-dwarf plants covered with large, golden yellow flowers with reddish brown center circle. (Pkt. 10c) (1/4 oz. 25c).

160A — **Golden Crown**. Semi-dwarf plants bearing a profusion of large, golden-yellow flowers with maroon zone. (Pkt. 10c) (1/4 oz. 25c).

CALIFORNIA POPPY (Eschscholtzia)

Hardy annual, produces an abundance of bright, cheerful blooms on plants 1 to 1 1/2 feet high with finely cut foliage. Sow in a sunny location where plants are to remain. Does well in locations up to 8,000 ft. altitude.

163A — **Auriantica** (True California Poppy). Pure orange. Single.

164A — **Mandarin**. Inside of petals orange, outside scarlet. Single.

165A—**Golden West** (California). Yellow with orange center. Single.

166A—**Alba**. Reselected white. Single.

167A—**Carmine King**. Deep crimson. Single.

168A—**Brilliant Prize Mixture**. Single. Any of the above—(Pkt. 10c) (1/4 oz. 25c).

169A—**Double Mixed**. A mixture of the best double and semi-doubles in an excellent color range. Also gorgeous bicolor effects. Profuse bloomers. (Pkt. 15c) (1/4 oz. 35c).

CALENDULA (Pot Marigold)

Large double flowers blooming all summer. Plants grow 1 1/2 to 2 feet high. They are easy to grow, a constant bloomer and a very desirable flower.

Pacific Beauty (Heat Resistant). A new class of Calendula with extra large, graceful blooms that are less formal, have straighter stems. Colors clearer, more heat resistant than the regular strains.

175A — **Apricot Beauty**. Bright two-tone apricot.

176A—**Persimmon Beauty**. Persimmon orange.

177A—**Lemon Beauty**. Pure lemon, long petals.

178A—**Pacific Beauty**. Mixed. Any of above: (Pkt. 10c) (1/4 oz. 25c).

180A—**Sunshine** (Chrysanth). Flowers large, yellow with long curling petals; fine for cutting. (Pkt. 10c) (1/4 oz. 20c).

181A—**Double Lemon Queen**. Large lemon or sulphur. (Pkt. 10c) (1/4 oz. 20c).

182A—**Ball's Gold**. Beautiful variety especially adapted to forcing. Deep glowing orange. (Pkt. 10c) (1/4 oz. 20c).

183A—**Radio**. Quilled orange-colored petals. (Pkt. 10c) (1/4 oz. 20c).

184A—**Double Mixed**. Mixture of shades of orange, yellow and primrose. (Pkt. 10c) (1/2 oz. 20c).

CANDYTUFT (Iberis)

Easy to grow. Requires little care. Sow any time in spring. Blooms all summer. 12 inches high.

185A—**Rose Cardinal**. Bears an abundance of rose colored flowers. (Pkt. 10c) (1/4 oz. 25c).

186A—**Giant Hyacinth Flowered**. Large spikes of purest white flowers, erect habit and a free bloomer. Recommended for cut flower and bedding. (Pkt. 10c) (1/4 oz. 25c).

187A—**Dwarf Large Flowering**. Mixed. (Pkt. 10c) (1/4 oz. 25c).

CANTERBURY BELLS (Campanula)

Bears a great profusion of attractive, bell-shaped lavender, blue, pink and rose flowers. Grows from two to three feet.

CARDINAL CLIMBER

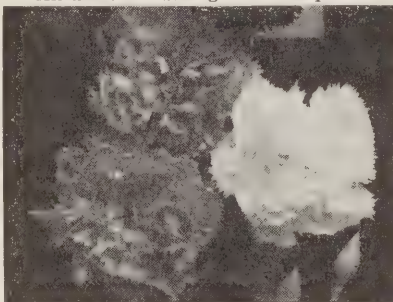
191A—Quick growing climber, 15 ft. tall, fiery red blooms 1 to 1 1/2 inches borne in clusters of five to seven blooms each. Does best in a warm sunny location, and rich soil. (Pkt. 15c) (1/4 oz. 25c).

CASTOR OIL BEANS (Ricinus)

192A—**Zanzibariensis**, Mixed. A large growing ornamental, tropical appearing plant, beautiful in backgrounds. Does best in warm locations. An enormous, large growing variety attaining a height of 10 to 12 feet with large-lobed leaves in green, red, and bronze. (Pkt. 10c) (oz. 15c) (1/4 lb. 50c).

CARNATIONS

GARDEN CARNATIONS. They are very neat in habit and are remarkable for their rich profusion of flowers. Can be sown in early spring but most satisfactory method is to start indoors and transplant to the open about 18 inches apart. All are biennial if given some protection through the winter.



CARNATION, GIANT CHABAUD DOUBLE

MARGUERITE CARNATION DOUBLE. An early strain of Chabaud. Plants more compact and shorter. Produces a high percent of double but somewhat smaller blooms of excellent colors.

200A—**Best Mixed**. (Pkt. 10c) (1/4 oz. 30c).

CENTAUREA CYANUS. Bachelor Button, page 26.
CENTAUREA IMPERIALIS. Sweet Sultan, page 86.



CALENDULA, PACIFIC BEAUTY

190A — **Annual Mixed**. Flowers and plants same as Biennial Canterbury Bells but these bloom the first year from seed; for early blooms start seed indoors. (Pkt. 15c) (1/4 oz. 45c).

Giant Chabaud Double. Most satisfactory of the annual carnations. This strain reselected for larger more double flowers which are deeply fringed, clove scented. Plants are 16 inches tall, upright habit with strong stems.

194A—**Nero**. Deep dark crimson. (Pkt. 20c) (1/4 oz. 45c).

195A—**Jeanne Dionis**. Large white. (Pkt. 20c) (1/4 oz. 45c).

196A—**Marie Chabaud**. Yellow. (Pkt. 20c) (1/4 oz. 45c).

197A—**Etincelant**. Bright scarlet. (Pkt. 15c) (1/4 oz. 45c).

198A—**Mixed**. Finest all colors. (Pkt. 15c) (1/4 oz. 35c).



CALLIOPSIS, GOLDEN CROWN



CANDYTUFT, GIANT HYACINTH FLOWERED

CHRYSANTHEMUM DAISIES (Annual)

Flowers of easy culture, fine for cutting. Sow seed in May. For earlier blooms sow seed indoors and transplant to 10 inches apart.

203A—**Painted Daisy Merry Mixture**. Single. Plants 2½ feet, strong stems, profusion of daisylike flowers mostly in shades of yellow, orange, scarlet, white with 2 zones of contrasting darker colors encircling the center.
(Pkt. 10c) (¼ oz. 25c).

204A—**Dunnits Hybrids Double Mixed**. Flowers golden yellow, white, and scarlet daisylike flowers.
(Pkt. 10c) (¼ oz. 30c).

CLARKIA

A very pretty and graceful plant. Bushy light green foliage. Blooms early and freely with quantities of delicately colored double flowers in rosettes. Covering entire stock of the plant. Height 2 feet. Does well in semi-shade.

205A—**Choice Double Mixed**.
(Pkt. 10c) (¼ oz. 25c).

COLEUS

Handsome decorative plant with brilliantly varied colored foliage. Plant in full sun.

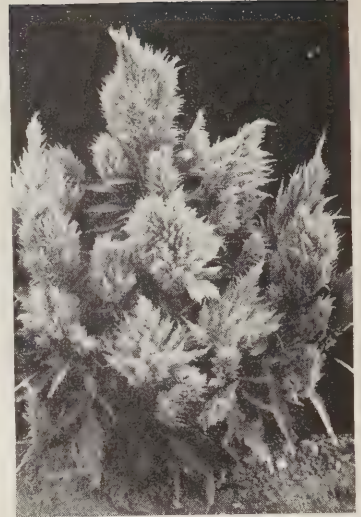
206A—**Small Leaved Hybrid Mixed**. Extraordinary bright color.
(Pkt. 20c) (1/16 oz. 40c).

207A—**Rainbow Mixture Improved**. New strain with large leaves; distinguished by its beautiful colors and markings and robust compact growth. Finest strain obtainable.
(Pkt. 30c) (1/16 oz. 60c).

CRESTED COCKSCOMB

The large showy heads of odd-shaped flowers are like immense rooster combs. Bright red and golden yellow on medium height plants.

209A—**Best Mixed**. (Pkt. 10c) (¼ oz. 30c).



COCKSCOMB, CELOSIA

COCKSCOMB CELOSIA

Plume Types. Showy, well-branched 30-inch plants. Each branch crowned with long, silky, fiery-red, yellow, golden-orange feathery plumes.

210A—**Golden Plume**. Golden yellow.
(Pkt. 10c) (¼ oz. 30c).

211A—**Scarlet Plume**. Glowing scarlet crimson.
(Pkt. 10c) (¼ oz. 30c).

212A—**Pampas Plume**. A mixture of many new shades with large, dense plumes and long stems.
(Pkt. 10c) (¼ oz. 30c).

COSMOS

A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness, heightened in effect by their foliage setting of feathery green. Effective when planted in broad masses or along background. Sow outdoors.

218A—**Klondyke Orange Flare**. Grows 3 feet tall with beautiful golden orange blooms 3 inches across. (Pkt. 10c) (¼ oz. 25c).

Early Sensation (Extra Early Mammoth). Plants 4 to 6 feet high. Bears a profusion of early, giant flowers 4 to 6 inches in diameter with over-lapping fluted petals. Stems long, excellent for cutting.

220A—**Dazzler**. Rich deep crimson; yellow eyed center.
(Pkt. 10c) (¼ oz. 25c).

221A—**Radiance**. Deep rose overlaid with rich crimson towards yellow eyed center.
(Pkt. 10c) (¼ oz. 25c).

222A—**Pinkie**. Charming rose-pink.

223A—**Purity**. Large pure white with satin sheen and deep yellow center.

224A—**Mixed Sensation**. All best varieties.

Any above 3 Cosmos. (Pkt. 10c) (¼ oz. 30c) (½ oz. 50c).



DAHLIA, MIGNON

DAHLIAS, DWARF GROWING

There is a fascination in growing dahlias from seed as they always produce many new types and colors. They will flower the first season if sown early or started in boxes and transplanted. Protect the tubers over winter in a dry cellar in sand.

227A—**Mignon Mixed**. Finest of single Dahlias. Will give profusion of color first year, and ideal for bedding and cutting. Plants dwarf, grows 14 to 16 inches; rounded single flowers in bronze, apricot, orange, scarlet, lavender and striped.
(Pkt. 10c) (¼ oz. 30c) (½ oz. 50c).

228A—**Unwin's Dwarf Hybrids**. Exquisite semi double dahlias in a varied assortment of colors. Early flowering. Bushy plants 1½ to 2 ft. tall.
(Pkt. 10c) (¼ oz. 35c) (½ oz. 55c).

DAISIES

230A—**African (Dimorphotheca)**. Is a rare and very showy annual from South Africa. Has daisylike flowers of orange, salmon and white with black central ring on 12 in. plants.
Mixed. (Pkt. 10c) (¼ oz. 45c).

231A—**Swan River (Brachycome)**. Free-flowering dwarf annuals covered during the greater part of summer with a profusion of pretty many-colored flowers. Suitable for edgings. 9 inches.
Mixed. (Pkt. 10c) (¼ oz. 40c).

232A—**Blue Eye Daisy, (Arctotis)**. Bears profusion of 3-inch daisy-like flowers with silvery lilac petals and mauve centers. Foliage gray-green, fine for cutting. Does well in sunny location.
(Pkt. 10c) (¼ oz. 30c).

PAINTED DAISY. See Chrysanthemum, No. 203A.

DATURA (Angel's Trumpet)

234A—An annual very easily grown from seed. Requires very little water. Produces large bushes filled with large white trumpet-shaped flowers.
Mixed. (Pkt. 10c) (½ oz. 25c).



COSMOS, SENSATION PINKIE

DUSTY MILLER (Centurea)

235A—Candidissima. 10 inches. Thick, broadly cut, silvery white leaves.

(Pkt. 15c) (1/4 oz. 25c).

236A—Gymnocarpa. Finely divided silver-white leaves of a wooly texture. Attractive for borders and beddings. 15 inches.

(Pkt. 10c) (1/4 oz. 30c).

EVERLASTING FLOWERS

The following may be used freshly picked or may be dried and used for winter bouquets: Acroclium, Cockscomb, Gypsophila, Honesty, Helichrysum, Statice, Globe Amaranth.

FEVERFEW (Matricaria)

238A—Balls Double White. Pretty and neat. Small, double white flowers, being hardy annual, growing 2 feet.

FORGET-ME-NOT MYOSOTIS, VICTORIA

Plants very dwarf, compact, large flowered.

240A—Azure Blue.

241A—White.

242A—Rose.

Any above (Pkt. 15c) (1/8 oz. 40c) (oz. \$2.25).

FORGET-ME-NOT, CHINESE (Cynoglossum).

An easily grown hardy annual of brisky habits. Bears throughout the summer graceful sprays of Forget-Me-Not like flowers. Recommended for beds and borders.

244A—Firmament. Plants bushy, dwarf; flowers sweet scented, violet blue.

(Pkt. 10c) (1/4 oz. 20c).



GAILLARDIA

GOURDS (Ornamental)

Climber. Quick growing vines; excellent for covering arbors, walls and waste places. Gourds grow in curious shapes and are used for house ornaments.

253A—Finest Mixed Large Varieties.

(Pkt. 10c) (2 pkts. 15c) (oz. 20c).

256A—Finest Mixed Small Varieties.

(Pkt. 10c) (2 pkts. 15c) (oz. 20c).



HOLLYHOCK, INDIAN SPRING
Seed treated for sturdy growth.

HELICHRYSUM (Giant Strawflowers)

Beautiful in the garden. Excellent for cut flowers which are double, 2 1/2 inches across, are freely borne on strong, upright plants from midsummer until fall. 2 to 2 1/2 feet. Also grown for winter bouquets. If wanted for winter use, cut when partially open. Remove foliage, bunch loosely, and hang with the heads downward in a cool, dry, shady place until dry.

257A—Finest Double Mixed.

(Pkt. 10c) (1/4 oz. 25c).

HELIOTROPE

These well known greenhouse and bedding favorites are highly valued for their sweet scented flowers.

258A — Mammoth Flowering Hybrid Mixed.

(Pkt. 10c) (1/4 oz. 40c).

HOLLYHOCKS

Blooms first year and lasts several years; grows 4 feet tall, stalks covered with a continuous profusion of light pink to almost crimson single and semi-double crinkly-edged blooms. Easy to grow. Seed sown in April will bloom in August.

260A—Indian Spring Allegheny.

(Pkt. 10c) (1/4 oz. 25c).

HOLLYHOCKS, PERENNIAL, see page 39



GOURDS, FINEST MIXED

FOUR O'CLOCK (Marvel of Peru)

An easily grown thrifty annual. Plants 2 feet tall with spreading branches; requires plenty of room; bears profusion of red, yellow, pink, lilac, white and variegated flowers which fully open about 4 o'clock in the afternoon.

245A—Mixed Colors.

(Pkt. 10c) (1/2 oz. 20c).

GAILLARDIA PICTA

Sow in April or May. Provide a continued show of bright flowers from early summer until frost. Hardy varieties, see Perennial list.

247A—Lorenziana Double Mixed. Continuous bloom. Orange, yellow, red and rose ball flowers. Plants 1 1/2 feet.

(Pkt. 10c) (1/4 oz. 30c).

248A—Indian Chief. Copper red flowers with bronze center.

(Pkt. 10c) (1/4 oz. 30c).

Gaillardia Perennial—See Page 38.

GLOBE AMARANTH (Gomphrena)

Everlasting. Produces small, very showy, globe-shaped flowers in rose, ruby, violet, white and flesh colors. When about half-bloom, flowers can be cut, hung up to dry. Will hold their colors all winter.

249A—Finest Mixed.

(Pkt. 10c) (1/4 oz. 25c).

GODETIA (Satin Flower)

Attractive bushy plant with masses of large colorful blooms throughout the summer and fall. Thrives best in cool moist soil and half shady location.

250A—Sybil Sherwood Dwarf Double. Pink-salmon flowers with white edging which completely hide the foliage.

(Pkt. 10c) (1/4 oz. 40c).

251A—Grandiflora. Mixed double, 2 feet tall, gladiola like flowers in long trusses, excellent for cutting.

(Pkt. 10c) (1/4 oz. 25c).



HELICHRYSUM
(Giant Straw Flowers)

HUNNEMANNIA Bush. Eschscholtzia

261A—**Sunlite**. Gorgeous, semi-double, clear, canary-yellow, tulip-shaped flowers. Plants 1½ feet. Grows anywhere.

(Pkt. 10c) (¼ oz. 35c).

HYACINTH BEAN (Dolichos)

A fine climber with spikes of purple and white pea-like flowers.

270A—**Mixed Colors**.

(Pkt. 10c) (½ oz. 25c).

JAPANESE HOP (Humulus)

272A—There is no hardier vine than this. Resists drought and insects will not bother it. It is a rapid climber and one of the best for covering fences, trellises.

(Pkt. 10c) (¼ oz. 20c).



LARKSPUR, REGAL SUPREME



LOBELIA EMPEROR WILLIAMS



KOCHIA (Childs)

LARKSPUR

These free-blooming annuals are very quick growers. Produce beautiful flowers, borne on long, stately spikes. Very effective in beds or masses and furnish fine cutting material. Height, 3 to 4 feet. Since the seed requires cool conditions for germination, sow it just as early as possible.

Regal Supreme. This new Larkspur produces vigorous base branching plants with unusually long stems and large double florets placed close together. The plants produce bloom throughout most of the summer and the petals do not easily shatter as in older types. Colors are especially clear and bright. 3 feet.

280A—**Regal Dark Blue**. Rich deep blue.

281A—**Regal Pink**. Pink on salmon.

282A—**Regal Lilac**. Soft lavender blue.

283A—**Regal Rose**. Bright clear rose.

284A—**Regal White**. Large white.

285A—**Regal Mixed**. All color balanced blend.

Any one of above (Pkt. 15c) (¼ oz. 50c).

Giant Imperial. Flowers double, and carried continuously on stems 3 feet tall, which branch from the base of the plant. Upright and compact.

288A—**Giant Imperial**. Mixed or straight colors of Blue, Carmine, Lilac, Rose and White.

(Pkt. 15c) (¼ oz. 40c).

JOB'S TEARS (Coix)

273A—Ornamental grass. Slate colored seeds used for beads. Valuable for winter bouquets.
(Pkt. 10c) (¼ oz. 20c).

KOCHIA

Resembles a small closely clipped ornamental evergreen. The pyramidal bushes are compact, dense and of green color, but in early autumn the whole bush becomes blood-red. Suitable for hedges, backgrounds, or may be grown singly.

275A—**Trichophylla (Summer Cypress)**.

Symmetrical oval, 3½ feet tall. The finely cut green foliage changes to crimson in early autumn.

276A—**Childs (Burning Bush)**. Bush compact. 2 feet. Foliage turns red later than summer cypress.

Each of the above (Pkt. 10c) (½ oz. 30c).



LARKSPUR GIANT IMPERIAL

LINUM

290A—**Scarlet Flax**. Brilliantly colored summer annual, grows 14 inches high. Flowers rich crimson.

(Pkt. 10c) (¼ oz. 20c).

BLUE FLAX—see Perennials, page 39.

LOBELIA

Easily grown, covered with flowers throughout the season, fine for borders and rock gardens.

291A—**Crystal Palace Compacta**. Superior strain. Grows 3 to 4 inches in height; leaves and stems dark. Plants a mass of deep blue flowers.

(Pkt. 15c) (⅓ oz. 35c).

292A—**Emperor William**. 4 inches tall, light foliage, gentian blue flower.

(Pkt. 15c) (⅓ oz. 35c).

293A—**Hamburkea**. Flowers pale blue. Trailing habit excellent for hanging baskets.

(Pkt. 10c) (⅓ oz. 30c).

LUPINS HARTWEGI

Easily grown, sow seed in April in partial shade, thin out 10 inches.

295A—**Giant King Hybrids Mixed**. 3½ feet tall, produces 4 to 5 long erect spikes with large dark blue, sky blue, rose and white flowers.

(Pkt. 10c) (½ oz. 25c).

Russell Lupins—see Perennials, page 39.

MARIGOLDS

Easily grown annual; sow soon as ground is warm, in sunny location, avoid overcrowding; fine for cutting. The odor which is objectionable to some comes from the leaves, not the blossoms. If allowed to stand overnight in water, odor will disappear, however, a number of varieties are odorless.

LARGE CHRYSANTHEMUM FLOWERED MARIGOLDS

- 297A—**Mammoth Mum**. The true mum, ball-like, fluffy, light yellow blooms are $3\frac{1}{2}$ in., borne on long stems. Plants upright, 30 inches.
(Pkt. 15c) ($\frac{1}{4}$ oz. 35c).
- 298A—**Glitters**. All America Winner. Large, $3\frac{1}{2}$ to 4 inches, bright clear yellow, double Chrysanthemum flowers with long cutting stems. Plants erect, $2\frac{1}{2}$ feet. Earlier and dwarfer than Mammoth Mums. Blooms continuously early summer until frost.
(Pkt. 20c) ($\frac{1}{4}$ oz. 40c).
- 299A—**Goldsmith**. Plants 22 inches tall. Blooms early and profusely until frost. Flowers double, large golden-orange.
(Pkt. 10c) ($\frac{1}{4}$ oz. 35c).
- 300A—**Sunset Giant**. The standard giant Marigold, sometimes 6 inches; in orange, gold, lemon and primrose. Flowers sweet-scented. Plants $3\frac{1}{2}$ to 4 feet; comes 60 per cent double.
(Pkt. 10c) ($\frac{1}{4}$ oz. 30c).
- 302A—**Orange Prince**. Bears on long stem large double golden orange ball shaped flowers.
(Pkt. 10c) ($\frac{1}{4}$ oz. 30c).
- 303A—**Lemon Queen**. Identical to Orange Prince except blooms are yellow.
(Pkt. 10c) ($\frac{1}{4}$ oz. 30c).
- 304A—**Chrysanthemum Double Mixed**. Large globular flowers of compact quilled petals orange and yellow. Height $2\frac{1}{2}$ feet.
(Pkt. 10c) ($\frac{1}{4}$ oz. 25c).



MARIGOLD, GLITTERS

MEDIUM AND SMALL FLOWERED MARIGOLDS



MARIGOLD, HARMONY

- 305A—**Lemondrop**. A trim, miniature, compact plant; grows about 9 inches tall. Early and a profuse bloomer. The blooms are $1\frac{1}{2}$ to $1\frac{3}{4}$ inches across, of pleasing canary yellow. Ideal for borders and display beds.
(Pkt. 15c) ($\frac{1}{4}$ oz. 40c).
- 307A—**Yellow Pygme**. Blooms very early and continuous bloomer until frost. Double, sparkling, light lemon yellow covers the bushy 8 inch plant. We prefer Lemon Drop.
(Pkt. 10c) ($\frac{1}{4}$ oz. 30c).
- 308A—**Cupid**. 9 inches, bushy and compact; covered with Chrysanthemum-like, light yellow, 2 inch flowers. Foliage free from Marigold odor. Excellent for
(Pkt. 20c) ($\frac{1}{8}$ oz. 40c).
- 310A—**Harmony or Orange Crown**. Excellent bedding and cut flower variety; plants dwarf, compact, 15 inches, free flowering, flowers golden yellow, border maroon red. Best Marigold to grow in semi-shade.
(Pkt. 10c) ($\frac{1}{4}$ oz. 15c) ($\frac{1}{2}$ oz. 30c).
- 311A—**Limelight**. A pale yellow Chrysanthemum-flowered type; early, 3 feet. Flowers 2 inches in diameter. Free flowering.
(Pkt. 10c) ($\frac{1}{4}$ oz. 25c).
- 312A—**Colorado Sunshine**. Odorless, 20 inches tall. Bright canary yellow. Flowers large fully double, ruffled and fringed. An excellent variety.
(Pkt. 15c) ($\frac{1}{4}$ oz. 50c).
- 314A—**Guinea Gold**. Extremely popular and excellent for cut flowers and beds. The 3 inch blooms are brilliant orange fused with gold and have ruffled loosely placed petals. Grows $2\frac{1}{2}$ feet.
(Pkt. 10c) ($\frac{1}{4}$ oz. 25c).
- 315A—**Burpee Gold**. Plants odorless, $2\frac{1}{2}$ feet. Flowers $3\frac{1}{2}$ inches, bright orange.
(Pkt. 10c).

- 316A—**French Double Mixed**. Early flowering, plants 1 foot, uniform and bushy, blooms range in color from lemon, yellow, deep orange to maroon-brown.
(Pkt. 10c) ($\frac{1}{4}$ oz. 25c).
- 317A—**African Dwarf Double Mixed**. Plants 14 inches, flowers light primrose, golden yellow to deep orange.
(Pkt. 10c) ($\frac{1}{4}$ oz. 25c).

MESEMBRYANTHEMUM

- 319A—**Livingston Daisy**. A beautiful annual that will grow in crevices or old walls. Thrives in poor and sandy soils. Of spreading habit, covered with many colored daisy-like flowers.
(Pkt. 10c) ($\frac{1}{4}$ oz. 35c).

MIGNONETTE

A well known favorite annual in all gardens. Cultivated for its fragrant flowers, which come quickly. Set in compact spikes. Sow in early spring.

- 320A—**Giant Machet**. Extra select sweet scented Mignonette of dwarf habit and heavy broad spikes.
(Pkt. 10c) ($\frac{1}{4}$ oz. 30c).
- 321A—**Giant Red Rubin**. Large flowering deepest red.
(Pkt. 10c) ($\frac{1}{4}$ oz. 35c).

MOONFLOWER

Grows 10 to 15 feet high, makes nice shade for porches and bears large, trumpet-shaped flowers, richly scented, which bloom in the evening and on cloudy days. Late bloomer.

- 324A—**Finest Quality**.
(Pkt. 10c) ($\frac{1}{2}$ oz. 30c).



MIGNONETTE, GIANT MACHET



MORNING GLORY, CLARKE'S BLUE

MORNING GLORY (Ipomea)

Easily grown. Soil should not be very rich. Plant outdoors when ground is warm. Soaking seed in warm water overnight hastens germination. For earlier blooms start seed indoors in early April and set in garden when frost danger is past.

325A—Clarke's Early Flowering Heavenly Blue. The finest of all morning glories; the earliest flowering variety; flowers measure $3\frac{1}{2}$ to 4 inches across deep sky blue; shading light golden yellow in throats. Vines grow 15 feet tall and covered with blooms from early summer until frost.
(Pkt. 10c) ($\frac{1}{4}$ oz. 20c) (oz. 40c).

326A—Scarlet O'Hara. Rapid climber. Flowers beautiful, rich wine red of good size. Gold Medal All-American.
(Pkt. 10c) ($\frac{1}{4}$ oz. 25c).

327A—Crimson Rambler. A strong climber; has ruby red flowers with white throat.
(Pkt. 10c) ($\frac{1}{4}$ oz. 20c) (oz. 30c).

328A—Cornell. The early large bright carnelian red flowers edged pure white. Vigorous grower.
(Pkt. 10c) ($\frac{1}{2}$ oz. 30c).

329A—Tall Mixed. Rapid grower. Flowers are bell-shaped, of many bright colors.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c) (oz. 20c).

330A—Royal Ensign (Bush). Plants 1 foot, covered with small deep, bright, ultra-marine blue morning glory flowers with a white halo and gold throat.
(Pkt. 10c) ($\frac{1}{2}$ oz. 25c).

331A—Dwarf Mixed Bush Morning Glory. Grows 1 foot tall, bears small trumpet flowers which stay open all day. For beds, borders and rock gardens.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c).



PANSY, ENGELMAN'S GIANTS

MOURNING BRIDE (Scabiosa)

Well established garden favorites. They commence to bloom early in July, continuing until frost. The flowers are borne on long stems and last a long time when cut. Fine for beds or borders, growing two feet in height.

334A—Blue Moon. The large full double blooms are a beautiful deep lavender blue, are borne on long stems highly recommended for cutting.
(Pkt. 10c) ($\frac{1}{4}$ oz. 30c).

335A—Giant Double Mixed. This mixture is composed of the new giant varieties. Have very large flowers in an unusual number of rare and pleasing colors.
(Pkt. 10c) ($\frac{1}{4}$ oz. 25c).

NASTURTIUM

Of easy culture. Ordinary soil is best as over-rich will cause plants to produce more leaves than flowers. Sow outside late April.

TRAILING AND TALL VARIETIES

338A—Golden Gleam Double (Semi-trailing). Large fragrant, golden yellow flowers borne above the foliage.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c) (1 oz. 25c).

339A—Scarlet Gleam Double (Semi-trailing). Flowers brilliant scarlet, sweet scented.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c) (1 oz. 25c).

340A—Gleam Hybrids Mixed Double (Semi-trailing). Beautiful shades and combinations of cream, white, yellow, orange, red, mahogany, cerise, crimson.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c) (1 oz. 25c).

342A—Single Tall Varieties Mixed. Used for trailing over fences, trellis, etc. Wide variety of colors. Valuable for cutting.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c) (1 oz. 25c).

BUSH VARIETIES

Plants 1 ft. high, globular in form.
344A—Golden Globe Double. Same as Golden Gleam except plants bushy, globe shaped; heavy bloomer.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c) (1 oz. 25c).

345A—Fire Globe Double. Flowers flaming red with dark green leaves. Plants compact, globe.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c) (1 oz. 25c).

346A—Double Globe Mixed. Contains yellow, red, primrose, mahogany, scarlet varieties.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c) (1 oz. 25c).

347A—Single Bush Varieties Mixed. Contains yellow, red, primrose plants; 1 ft. high; attractive foliage; variety of blooms.
(Pkt. 10c) ($\frac{1}{2}$ oz. 15c) (1 oz. 25c).



NASTURTIUM, GOLDEN GLEAM

NICOTIANA (Flowering Tobacco)

A free-flowering annual, blossoms resemble the petunia, and emit a very powerful perfume. As soon as soil is warm, sow in open; easily grown.

349A—Crimson Bedder. Dwarf, compact; 16 inches tall covered with rich crimson petunia like blooms.
(Pkt. 10c) ($\frac{1}{4}$ oz. 30c).

350A—Daylight (Hybrids Mixed). Plants bushy, 18 inches. Wide color range. Remain open even during brightest day.
(Pkt. 10c) ($\frac{1}{4}$ oz. 35c).

NIGELLA

Easy to grow; quick to bloom; very desirable annual for many purposes, especially graceful as cut flowers. Blooms early and long.

352A—Miss Jekyl (Love in a mist.) Double, sky blue.
(Pkt. 10c) ($\frac{1}{4}$ oz. 20c).

353A—Double Sorts Mixed. Contains white and shades of blue.
(Pkt. 10c) ($\frac{1}{4}$ oz. 20c).

NIEREMBERGIA

Plants form a dense mat 6 inches high, 1 ft. across, thickly covered with beautiful cup-shaped flowers; does best in full sun.

356A—Purple Robe. Attractive blue flowers, do not fade in sun.
(Pkt. 25c) (1/32 oz. 75c).

Seed Treated for sturdy growth.

PANSIES

One of the most popular flowers and easily grown. Best adapted to partly moist and somewhat shaded places. For large blooms, rich soil is best. Seed sown in spring will blossom in midsummer. For early spring flowers, sow seed in August and protect plants in cold frames or with light litter but do not smother during winter.

390A—Westland Giants. Largest flowering strain of Pansy in existence, in beautiful color variation and of compact growth. The best strain for Market Growers.
(Pkt. 15c) ($\frac{1}{4}$ oz. 65c) ($\frac{1}{2}$ oz. \$2.25).

391A—Maple Leaf Canadian Giants. Mixed. Plants of this lovely variety are vigorous, low growing; leaves giant size and flowers up to 4 inches diameter.
(Pkt. 15c) ($\frac{1}{4}$ oz. 65c) ($\frac{1}{2}$ oz. \$2.25).

Swiss Giants. Outstanding for size of perfectly round flowers and full range of colors.

392A—Lake of Thun. (Ullswater). Marine blue with dark blotch.

393A—Alpenglow. Cardinal shades, dark blotch.

394A—Raspberry Rose (Blumisalp). Pink carmine with deep velvet blotch.

395A—White Lady. Pure white.

396A—Coronation Gold. Pure golden yellow.

397A—Mixed. All shades mixed.

Each of the above (Pkt. 20c) ($\frac{1}{4}$ oz. 85c) (1 oz. \$3.00).

398A—Giller's Super Giants Mixed. Highly recommended for florists and those who make a specialty of growing plants and blooms for commercial trade. Blooms are amazing in size as well as in the large range of colors.
(Pkt. 25c) ($\frac{1}{4}$ oz. \$1.25) ($\frac{1}{2}$ oz. \$4.50) (1 oz. \$8.50).

399A—Engelman's Giants. Very vigorous growing, compact and early flowering, produces huge flowers in a great variety of shades and colors with good percentage of red and bronze shades. (Pkt. 15c) ($\frac{1}{4}$ oz. 50c) ($\frac{1}{2}$ oz. \$1.75).

400A—Ice Pansy. (Hiemalis). Early giant flowers, withstands cold, continues to bloom well in to the winter, all colors mixed. (Pkt. 10c) ($\frac{1}{4}$ oz. 30c).

401A—American Beauty Mixed. An extra fine, well-balanced mixture of most beautiful colors and markings. (Pkt. 10c) ($\frac{1}{4}$ oz. 45c).

TUFTED PANSY, see Viola Cornuta, page 36.



PETUNIA, SNOW BALL

PETUNIA

CULTURE: There is no flower more highly prized for use in beds, massing, borders, window-boxes, baskets and vases. Succeeds in almost any soil and produces very frequent blooms the entire season. Sow thinly in early spring when soil has become warm or for earlier blooms start seeds indoors in pots or shallow boxes of fine soil. Cover seeds very lightly, never more than 4 times diameter of seed.

SINGLE SEMI-TALL. Grows 1½ to 2 feet tall. Produces an abundance of single flowers throughout the summer and fall.

358A—Blue Bee. Clear medium blue. (Pkt. 10c) (⅓ oz. 30c).

359A—General Dodds. Velvety blood red. (Pkt. 10c) (⅓ oz. 30c).

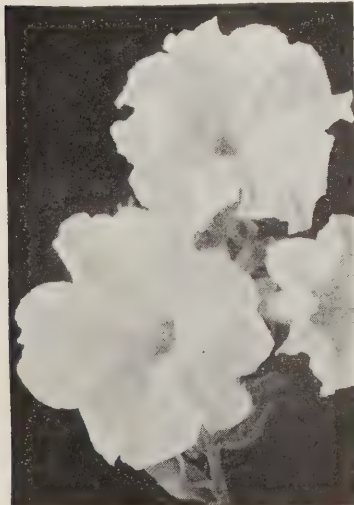
360A—Howard Star. Reddish purple with white star. (Pkt. 10c) (⅓ oz. 30c).

362A—White King. Pure white flowers, bushy. (Pkt. 10c) (⅓ oz. 30c).

363A—Radiance. Soft cerise rose with underlying salmon, golden yellow throat, large-flowered. (Pkt. 10c) (⅓ oz. 30c).

364A—Rose King Improved. Rich rose, white throat. (Pkt. 10c) (⅓ oz. 30c).

365A—Mixed. All colors. (Pkt. 10c) (⅓ oz. 35c).



PETUNIA, SNOWSTORM FRINGED

SINGLE DWARF (Small Flowering). This is the variety so much used in beds or masses as it grows erect and bushy; 12 to 15 inches high. Blooms freely; flowers are large and showy.

367A—Mixed. All dwarf varieties and colors well blended. (Pkt. 10c) (⅓ oz. 30c).

368A—Blue Bedder. Heavenly blue. Plants dwarf compact. (Pkt. 10c) (⅓ oz. 40c).

369A—Rose of Heaven. Rose with lighter throat. We prefer Celestial Rose. (Pkt. 10c) (⅓ oz. 35c).

370A—Celestial Rose. Plants bushy, low growing. Covered with an abundance of bright rose flowers. (Pkt. 10c) (⅓ oz. 40c).

372A—Lipstick. Glowing carmine rose overlaid with a touch of salmon. Compact plants with a wealth of 2½-inch flowers. (Pkt. 25c) (⅓ oz. 95c).

373A—Snow-Ball Improved. Uniform compact plants covered with pure white flowers. (Pkt. 10c) (⅓ oz. 35c).

375A—Glow. Dazzling carmine red. (Pkt. 15c) (⅓ oz. 50c).

376A—Fire Chief. Dwarf compact plant. Flowers single, intense scarlet red. (Pkt. 20c) (⅓ oz. 95c).

378A—Elk's Pride Dwarf. Deep velvety purple; grows 10 inches; heavy bloomer. (Pkt. 25c) (1/64 oz. 85c).



PETUNIA, COMANCHE

379X—Comanche. New All-America Selection. The deepest red Petunia, plants are base-branching, semi-compact, 15 inches high, 18 inches spread. Covered with a profusion of 2½ to 2¾ inch scarlet-red flowers over a long period. (Pkt. 35c) (1/64 oz. \$5.00).

SINGLE BALCONY TALL. A branching variety, 16 to 24 inches high. Flowers large single, with plain edges. Recommended for background, porch boxes, etc.

380A—(Pkt. 20c) (1/16 oz. 40c).
(Pkt. 20c) (1/16 oz. 40c).

381X—Ballerina. All-America Selection. Blooms soft, glowing scarlet salmon, large, single fringed which almost cover the plant, 3½ inches across. Plants dwarf and compact, 12 inches high, 30 inches across. Vigorous grower. (Pkt. 50c) (1/64 oz. \$7.50).

382X—Tango. Plants uniformly dwarf. Base branching. Flowers 4 inches; bright, deep scarlet salmon; deeply fringed. (Pkt. 45c) (1/64 oz. \$5.85).



PETUNIA, CELESTIAL ROSE

384X—Snowstorm Fringed. Grandiflora. The finest white petunia. A compact grower, covered with glistening 4-inch snow white fringed flowers with shaded yellow throat. (Pkt. 30c) (1/32 oz. \$1.75).

385X—Fluffy Ruffles. (Giant Single Fringed). Flowers large and so ruffled and frilled they have the appearance of being double. An excellent mixture of all colors and shades. Grows 14 to 16 inches, covered with blooms. (Pkt. 25c) (1/32 oz. \$1.50).

386X—Dwarf Giants of California. (Fringed). Superb blend. Is the huge Giants of California on dwarf, sturdy plants. Contains the best and brightest colors. Flowers often measure 5 inches across. (Pkt. 40c) (1/64 oz. \$1.35).

388X—All Double Colossal. Flowers full double fringed. Very large 4½ inches across with such colors as crimson, rose, light salmon, bright salmon, rose and white variegated. Plants of even dwarf bushy habit, height 15 inches of marked vigor. We suggest starting seed indoors in pots or shallow boxes. (Pkt. 75c) (1/64 oz. \$5.25).

PRIMA DONNA. See page 2.

CRUSADER. See page 2.



PETUNIA, FLUFFY RUFFLES

PHLOX (Drummondii Annual)

Being one of the prettiest annuals, phlox should occupy a prominent place in every garden. Of easy cultivation and remarkable for profusion of bloom, which starts early and continues until frost. The rich and numerous brilliant colors produce an elegant effect in beds or borders. Fine for cutting. Sow seed outdoors. Do not transplant.

402A—**Drummondii Semi Tall**. Finest mixed. Plants 15 inches tall, large clusters of beautiful blooms of many colors, shades and markings.

(Pkt. 10c) (1/4 oz. 35c).

403A—**Drummondii, Nana Compacta**. A very beautiful bedding and border variety. Flower heads large and compact.

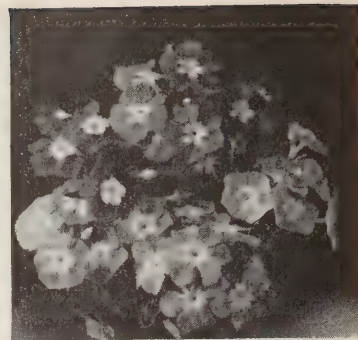
(Pkt. 15c) (1/4 oz. 45c).

404A—**Giant Tetra Red**. The tallest of all annual phlox; plants are vigorous, well-branched, 20 inches tall. Flowers grow 1 1/4 inches across, deep red with tiny white eye.

(Pkt. 20c) (1/4 oz. 60c).

405A—**Star Phlox**. Extra fine mixed. Grows 15 inches, bears star flowers of wide range of colors.

(Pkt. 10c) (1/4 oz. 35c).



PHLOX, DRUMMONDII

PINKS, GARDEN (Dianthus)

This satisfactory old-fashioned flower blooms in profusion all summer long. They bear marvelous, brilliant, and contrasting flowers, which are emphasized by stripes and dots. Sow seed in open in April, will bloom in July until late fall.

406A—**Chinensis Double** (China Pink). Produces profusion of handsome blooms in clusters on strong stems, flowers extra double of many colors and markings.

(Pkt. 10c) (1/4 oz. 30c).

407A—**Chinensis Single** (Indian Pink). Flower heads have unbelievable range of colors.

(Pkt. 10c) (1/4 oz. 25c).

408A—**Lacinatus Double Mixed**. Fringed and laciniated carnation-like flowers in wide range of colors. Plants semi-dwarf and compact.

(Pkt. 10c) (1/4 oz. 35c).

POPPIES

This is a quick, easily grown flower; blooms few weeks from seed; sow early in open and later thin to 8 inches apart; will not transplant.

409A—**American Leglon**. Brilliant orange scarlet with yellow anthers.

(Pkt. 10c) (1/4 oz. 20c).

410A—**Single Shirley**. Beautiful satin flowers with crumpled petals on long stems. Large range of colors.

(Pkt. 10c) (1/4 oz. 20c).

412A—**Peony Flowered Mixed**. The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light shades.

(Pkt. 10c) (1/4 oz. 25c).

CALIFORNIA POPPY. *Eschscholtzia*, see page 27

Also see Perennial Poppies, page 39

Seed Treated for sturdy growth.

PYRETHRUM

417A—**Aureum (Golden Feather)**. Beautiful dwarf gold-leaved plant, flowers white with gold centers. Fine for borders. Easily grown.

(Pkt. 10c) (1/2 oz. 25c).

SALPIGLOSSIS (Velvet Flower)

Verly easily grown. 14 inches high. Flowers showy, large, funnel-shaped, mottled, veined and self-colored. Requires good soil. Blooms early.

418A—**Variabilis**. Mixed. Composed of all colors and combinations.

(Pkt. 10c) (1/4 oz. 25c).

419A—**Emperor Grandiflora Mixed**. Extra large flowers of wide range of colors.

(Pkt. 10c) (1/4 oz. 35c).

SALVIA (Scarlet Sage)

A hardy annual blooming the first year from seed. Well-known bedding plants with long, striking flower spikes, displayed with striking effect against the deep, green foliage.

420A—**Bonfire**. Early flowering, popular sort. Plants 16 to 24 inches long, scarlet spikes.

(Pkt. 15c) (1/5 oz. 30c).

421A—**St. Johns Fire**. The earliest *Salvia*. Plants oval, erect, dwarf, 12 inches, bears uniform long scarlet spikes.

(Pkt. 20c) (1/5 oz. 60c).

422A—**Blaze of Fire**. Very early. Plants erect, compact, rounded, covered with brilliant scarlet spikes.

(Pkt. 20c) (1/5 oz. 55c).

SCABIOSA. See Mourning Bride, page 42.

SCARLET RUNNER BEAN

Rapid ornamental climber with bright scarlet blooms. Excellent for porches and trellis. Also used as food.

444A—(Pkt. 15c) (1/2 lb. 50c) (1 lb. 85c).



PINKS
PORTULACA
(Rose Moss)

This little 6 inch annual is unexcelled for brilliancy among the flowers of low growth. Grows and blooms best in the hot sunlight or partial shade, sandy soil, requires very little water, carpeting the ground with a mat of foliage, which in the afternoon is hidden with gayest flowers. Sow seed in the open ground.

414A—**Double Mixed Large Flowering**.

(Pkt. 15c) (1/4 oz. 45c).

415A—**Single Mixed Large Glossy Cup Flowers**.

(Pkt. 10c) (1/4 oz. 30c).



PORTULACA

SCHIZANTHUS (Butterfly Flower)

One of the daintiest annuals, of very graceful habit. The flowers are butterfly shape and of a bewildering range of colors, completely covering the plant. Sow early as weather will permit.

445A—**Dr. Badger Hybrids Mixed**.

(Pkt. 10c) (1/5 oz. 25c).

SNOW-ON-THE-MOUNTAIN (Euphorbia)

446A—Starts with bright green leaves and as the summer advances the edges become white.

(Pkt. 10c) (1/4 oz. 20c).



SALVIA, ST. JOHNS FIRE

SNAPDRAGONS (Antirrhinum)

Very satisfactory annual, easily grown in full or partial shade. Either start seed indoors or sow in open when ground is warm.

447A—Tetra (New). All the merits snapdragons have are magnified in Tetra. Has greater vigor, longer blooming season, healthier plants with dark-green glossy foliage, much stronger stems with more and larger florets with ruffled petals and brighter colors. Rust resistant.

Mixed (Pkt. 15c) (1/4 oz. 30c).

Majus Giant Flowering Rust Resistant. This variety produces the longest spikes and largest flowers. Produces numerous spikes and is base branching; excellent for bedding and cutting. 2 1/2 feet tall.

448A—Alaska. White.

449A—Loveliness. Rose pink.

450A—Yellow Giant. Clear yellow.

451A—Copper King. Copper scarlet.

452A—Campfire. Bright scarlet.

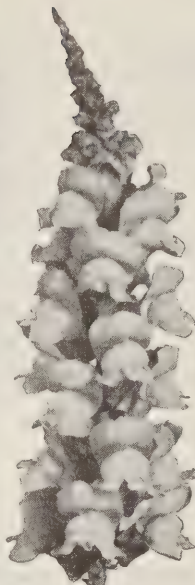
453A—Finest Mixed.

All above seed treated. (Pkt. 10c) (1/4 oz. 45c).

454A—Majus Nanum Semi-Dwarf Large Flowered. Finest Mixed. Bushy, compact growth, 15 inches tall, very free bloomer, flowers large. Unusual colors and markings.

(Pkg. 10c) (1/4 oz. 25c).

455A—Tom Thumb Snapdragon Mixed. Extremely dwarf mixture of beautiful shades and colors. For rock gardens and borders. (Pkt. 10c) (1/4 oz. 40c).



TETRA (New)

STATICE (Sinuata)

An easily grown everlasting annual. They prefer a sunny situation. Very satisfactory as cut flowers, also for winter bouquets after being dried.

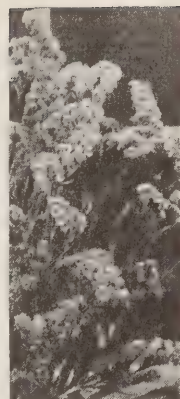
458A—Market Growers' Blue. Deepest blue. Free flowering.

459A—Bonducelli Superb (New). Large flower heads of deep yellow.

460A—Finest Mixed. Contains lavender, rose, blue, pink and white.

Prices on above Statice: (Pkt. 10c) (1/2 oz. 25c).

461A—Heavenly Blue (Everlasting). Finest of all Statice. Flowers bright, clear, sky blue of Clarke's Blue Morning Glory. Borne on long branches. Easily grown. (Pkt. 10c) (1/4 oz. 35c).



**STATICE
MARKET GROWERS'
BLUE**

**Seed Treated
for sturdy
growth.**

Prices postpaid



SWEET PEAS

CULTURE: Sweet Peas like rather cool soil and can be grown in partial shade. Ground should be worked to a depth of 1 ft. Mix with soil 1 lb. Soil-tone fertilizer to 5 ft. of row. Plant seed 1 oz. to 10 ft. in a trench 5 in. wide, 3 in. deep. Cover seed firmly with 1 in. pulverized soil. Plant any time from middle of March to 20th of April. After plants are 3 in. high, cultivate, scatter a little more fertilizer alongside of plants and fill trench with soil. After vines are 1 ft. high, give first dusting of 2 parts sulphur, 1 part Lindane, repeat in 10 to 20 days. Keep soil moist, flowers picked.

CUTHBERTSON

Heat resisting sweet peas. A new true Spencer type of great vigor, continue to produce during hot mid-summer weather a profusion of large fragrant blossoms on extra long stems. Colors bright and clear. The best summer sweet pea. Especially adapted to our western conditions.

50C—Connie. Chamois.

51C—Carol. Clear pink.

52C—Lois. Rose Pink.

54C—Catherine. Clear cerise.

55C—David. Bright rose crimson.

57C—Flora. Rose carmine.

58C—Jimmy. Dazzling bright scarlet.

59C—Liza. Maroon.

60C—Hazel. Light blue.

61C—Tommy. Medium blue.

62C—Danny. Navy blue.

63C—Frank G. Rosy lavender.

64C—Janet. Best white.

65C—Mixed. All colors.

Cuthbertson Straight Colors: (Pkt. 10c) (oz. 25c) (1/4 lb. 80c) (1 lb. \$2.75) postpaid.

Cuthbertson Mixed: (Pkt. 10c) (oz. 20c) (1/4 lb. 70c) (1 lb. \$2.30) postpaid.



CUTHBERTSON SPENCER SWEET PEAS

EARLY MULTIFLORA

A new development in Sweet Peas. Comes into bloom shortly after Early Flowering Spencer. Very free flowering. They are unique in that they bear five to seven good sized flowers on each stem.

45M—Western Mixture. A complete blend of all colors. (Pkt. 25c). See also page orange.

EARLY FLOWERING SPENCERS

Bear an abundance of large, wavy flowers on long stems 2 to 3 weeks earlier than other varieties, very satisfactory variety for June-July blooms.

BLUE

1E—Princess Blue. Belladonna blue.

2E—Tahoe. Bright clear mid blue.

3E—Blue-Boy. Navy blue.

CERISE

4E—Cavalcade. Golden cerise. White ground.

5E—Sequola. Pink cerise.

CRIMSON

7E—Top Sergeant. Rich crimson.

8E—Susanna. Color American Beauty rose.

EARLY FLOWERING SPENCER

LAVENDER

9E—Rhapsody. Rosy lavender. Large flowers.

10E—Fragrance. Large clear lavender.

ORANGE

11E—Sutters Gold. Glowing orange cerise.

12E—Treasure Island. Golden orange.

PINK AND ROSE

13E—Bridesmaid. Deep silvery pink.

14E—Shirley Temple. Rich rose pink.

16E—Chime. Light coral pink.

WHITE

17E—Hope. White.

18E—Mixed. All colors.

Straight Colors: (Pkt. 15c) (1/2 oz. 20c) (oz. 30c) (1/4 lb. \$1.10) (1 lb. \$3.75) postpaid.

Mixed Colors: (Pkt. 10c) (1/2 oz. 15c) (1 oz. 20c) (1/4 lb. 70c) (1 lb. \$2.10) postpaid.

LATE FLOWERING SPENCERS

The old original Spencer. Will start blooming in early July. We prefer Cuthbertson.

30L—Capri. Light blue.

32L—Carlotta. Carmine rose.

34L—Elstree. Soft pink.

35L—Red Rover. Deep crimson.

36L—King Lavender. Pure lavender.

38L—Bonnie Brier. Rose pink.

39L—Patricia. Golden Salmon.

40L—Welcome. True scarlet.

41L—Snow White. White.

43L—Tangerine (Improved). Glowing

44L—Mixed Colors, Late Flowering: A well balanced array of color and beauty.

Straight Colors, Late Flowering: (Pkt. 10c) (oz. 20c) (1/4 lb. 70c) (1 lb. \$2.55).

Mixed Colors, Late Flowering: (1/2 oz. 10c) (oz. 15c) (1/4 lb. 50c) (1 lb. \$1.80) postpaid.

STOCKS (Ten Weeks)

Desirable for cut flowers and bedding. To secure early flowers, start seed in window boxes or under glass in March or April, and transplant to the open ground in the middle of May. Do best in rich soil and in cool locations. Stocks never run entirely double.

- 465A—**Double Early Giant Imperial or Bismarck**. Exquisite, well-rounded, large fully double blooms on long stems. Valuable for garden and greenhouse forcing. 2 to 2½ ft. tall. (Pkt. 15c) (¼ oz. 35c).
- 466A—**Dresden or Giant Perfection**. Large spikes of mostly double flowers in wide range of colors, 1 to 1½ feet. Fine for florists. Biennial in mild climate. (Pkt. 15c) (¼ oz. 35c).
- 467A—**Non-Branching Double Excelsior (Column)**. Grows 2½ feet long spikes with large closely set flowers on strong stems. (Pkt. 15c) (¼ oz. 55c).
- 468A—**Sweet Scented (Mattheola)**. 15 inch lilac flowers, which in the mornings, evenings and afternoons emit a delicious perfume. (Pkt. 10c) (¼ oz. 30c).

SUNFLOWER

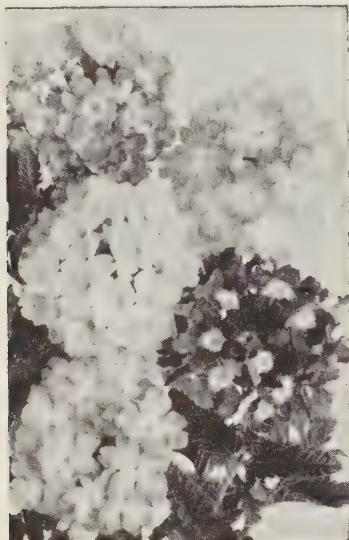
Thrives in any sunny location.

- 469A—**Sun Gold**. Fully double, golden yellow, Chrysanthemum-like flowers, 4 inches across; plants 4 feet. (Pkt. 10c) (½ oz. 35c).

SWEET SULTAN (Giant Imperialis Centaurea)

Very satisfactory for garden decoration and cutting. They bloom freely for many weeks during the summer in partly shaded places. The large, long stemmed, sweet-scented flowers are exquisitely fringed and most graceful in appearance. Three feet.

- 470A—**Mixed**. Composed of purple, yellow, rose, lavender and amaranth red. (Pkt. 10c) (¼ oz. 20c) (oz. 50c).



VERBENA, Hybrid Mixed



STOCKS, DOUBLE

TITHONIA (Flower of the Incas)

- 472A—**Torch**. A new 1951 all American early 2½ feet tall, blooms from August till frost. Orange red, single dahlia-like flowers charming for cutting. (Pkt. 25c).

THUNBERGIA (Black-Eyed Susan Vine)

- 473A—**Alata Mixed**. An unusually pretty little climber or may be used as a trailing plant for ground cover, hanging baskets and window-boxes. Forms a dense mat of foliage and flowers. Colors range through yellow, orange and buff to pure white; many of the flowers have jet-black showy centers or eyes. Vines grow 5 feet long. (Pkt. 15c) (¼ oz. 45c) (½ oz. 75c).

VERBENA HYBRID

Colorful dwarf varieties, ideal for edgings, ground cover, rockeries. Tall varieties fine for cut flowers. Flowers are borne in large trusses from midsummer until late fall. Plant in a sunny location.

- 475A—**Starlight**. Flowers giant violet-blue with white eye. 12 inches tall, flat-topped plants with dense flower heads.
- 476A—**Deep Blue Grandiflora**. Plants 15 inches producing large deep royal flowers. No eye.
- 477A—**Danebrog Nana Compacta**. Plants 9 inches. Flowers large deep scarlet with big white eyes.
- 478A—**Spectrum Red**. Brightest scarlet. No eye. 12 inches tall.
- 479A—**White Bouquet**. Plants 9 inches. Large pure white flowers. Each of the above (Pkt. 15c) (¼ oz. 45c).
- 480A—**Hybrid Compact Dwarf Mixed**. Plants 9 inches. Giant flowers of many colors. (Pkt. 10c) (¼ oz. 40c).
- 481A—**Mammoth Flowering Mixed**. Bright mixture made by blending the brightest colors of all large flowering varieties. (Pkt. 10c) (¼ oz. 35c).

VERBENA VENOSA

- 485A—**Upright spreading plant 1 foot tall, covered with large panicles of purplish blue flowers from July to frost, largely used for bedding.** (Pkt. 20c) (¼ oz. 40c).

VIOLA CORNUTA (Large Flowering)

In most cases, true Violas are better bedding subjects and more persistent than Pansies. There are three strains of Viola—extra small, medium, and large flowering. The large is most satisfactory and only strain we carry. Easily grown. Culture same as pansies, bloom all summer if faded blossoms are picked. Bloom first year from seed and with some protection, will bloom second year.

- 487A—**Lord Nelson**. Purplish-violet robust. (Pkt. 15c) (¼ oz. 45c) (oz. \$1.50).
- 488A—**Blue Perfection**. Light-blue. (Pkt. 15c) (¼ oz. 45c) (oz. \$1.50).
- 489A—**Chantreyland**. Yellow tinged orange. (Pkt. 20c) (¼ oz. 65c) (oz. \$2.00).
- 490A—**Yellow Gem**. Pure golden yellow, rounded flowers. (Pkt. 20c) (¼ oz. 65c) (oz. \$2.00).
- 491A—**Jersey Gem or Blue Gem**. Flowers rich, pure violet; compact. (Pkt. 20c) (¼ oz. 50c) (oz. \$3.00).
- 492A—**Arkwright**. Bright ruby crimson. Robust. (Pkt. 20c) (¼ oz. 65c) (oz. \$2.00).
- 493A—**Admiration**. Deep violet-blue flowers in great profusion. (Pkt. 20c) (¼ oz. 55c) (oz. \$1.75).
- 494A—**White Perfection (Snowdon)**. Flowers round, large, creamy white. (Pkt. 15c) (¼ oz. 45c) (oz. \$1.50).
- 496A—**Gold Seal Scotch Mixture**. Large flowering varieties mixed. (Pkt. 15c) (¼ oz. 45c) (oz. \$1.50).

WALLFLOWER (Annual)

- 498A—**Double Early Wonder**. Flowers very fragrant of rich reds and yellows. Plants 18 inches. Sow seed early spring indoors, set out 18 inches apart. In mild climate or when well protected will bloom 2 years. (Pkt. 15c) (¼ oz. 30c).



VIOLA CORNUTA, Mixed

ZINNIAS



ZINNIA, PERSIAN CARPET

UNUSUAL VARIETIES

500A—Persian Carpet. Full double, ball-shaped flowers of the miniature type in a sparkling range of variegated color combinations. Flowers with cutting stems borne on low, mound-shaped border and edging plants.

(Pkt. 25c) (1/4 oz. 95c).

501A—Blaze. Bears large cactus type brilliant mandarin-red flowers and, as the flowers attain size, change to fiery orange-scarlet.

(Pkt. 25c) (1/4 oz. 95c). Postpaid.

502A—Peppermint Stick. Unlike any other Zinnia, an early variety, flowers medium size which are 70% uniquely striped in wide range of colors; produced in profusion until frost.

(Large pkt. 15c) (1/4 oz. 30c) (oz. 75c).

503A—Giant Cactus Flowered Burpee Hybrids. Immense, fluffy flowers in a gorgeous range of colors and color combinations with graceful, curved petals like those of a Giant Chrysanthemum. Entirely free of stiffness.

Mixed Colors. (Pkt. 15c) (1/4 oz. 35c) (oz. 85c).



**GIANT CACTUS FLOWERED
BURPEE HYBRIDS**

Colorado Grown Seed King Size Packets and Postpaid

Few flowers are so easily grown, they require so little attention. They are heat-loving plants. Seed should not be sown until ground and atmosphere are warm to get most completely double flowers. Grow in a rich soil in a sunny spot. Water freely. They bloom abundantly and continuously throughout the entire season.

GIANT DAHLIA FLOWERED

Grow 2 to 3 feet tall, strong, robust, bearing many large fully double flowers, often measuring 6 inches in diameter, with petals closely imbricated, resembling Show Dahlias.

505A—Canary Bird. Rich canary yellow.

506A—Will Rogers. Dazzling scarlet red. Flowers very large on long strong stems.

507A—Dream. Deep rosy lavender.

508A—Exquisite. Light rose, deep rose center.

510A—Illumination. Deep rose.

511A—Oriole. Orange and gold.

512A—Polar Bear. Large creamy white.

513A—Purple Prince. Deep purple.

514A—Scarlet Flame. Bright scarlet. Straight colors: (Pkt. 10c (1/4 oz. 25c) (oz. 70c).

515A—Finest Mixed. (Pkt. 10c) (1/4 oz. 25c) (oz. 60c).

Any 7 Pkts. (55c) (1/4 oz. each \$1.25).



GIANTS OF CALIFORNIA, Scarlet King

SMALL DWARF ZINNIAS

CUPID DOUBLE MIXED. Plants only 12 to 15 inches tall, flowers very small, double button-like flowers.

527A—(Pkt. 10c) (1/4 oz. 25c) (oz. 50c).

LILLIPUT or POMPON DOUBLE ZINNIA.

These compact little plants are fairly covered with tiny, very double flowers about 1 1/4 inches in diameter, which bloom all summer until late in the fall and come in a pleasing range of color.

528A—Mixed. (Pkt. 10c) (1/4 oz. 25c) (oz. 50c).



PEPPERMINT STICK

GIANTS OF CALIFORNIA

Plants grow 3 to 4 feet tall, flowers very large, 5 to 6 inches across. The petals are more loosely placed than in the Dahlia Flowered type of zinnia and the flowers themselves are more flattened. Ideal for cutting.

518A—Crimson Queen. Rich crimson.

519A—Brightness. Bright pink.

520A—Daffodil. Canary yellow.

521A—Lavender Queen. Deep rosy lavender.

522A—Violet Queen. Deep purple.

523A—Purity. White. Best white in zinnias.

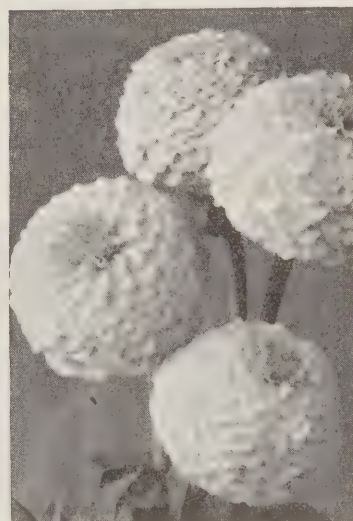
524A—Scarlet King. Glowing scarlet.

525A—Miss Willmott. Soft rose pink.

Straight colors: (Pkt. 10c) (1/4 oz. 25c) (oz. 70c).

526A—Finest Mixed. (Pkt. 10c) (1/4 oz. 25c) (oz. 60c).

Any 7 above Pkts. (55c) (1/4 oz. each \$1.25).



ZINNIA, LILLIPUT

PERENNIAL AND BIENNIAL FLOWER SEED



These produce plants which live from year to year and increase or multiply. A few exceptions are the biennials as *Myosotis*, *Bellis*, *Campanula*, *Foxglove*, which bloom second year and then usually die.

CULTURE. The seed is generally started outdoors from June to September, and the young plants are either set in their permanent places in the fall and given light protection the first season, or carried over the first winter in a cold frame and set out the following spring.

1P—ACHILLEA (The Pearl). 2 feet. Clusters of hundreds of small, double, white *Chrysanthemum* like flowers from June to frost.
(Pkt. 15c) (1/4 oz. 40c) (1/2 oz. \$1.50).

2P—ALYSSUM, Saxatile Compactum. Clusters of golden yellow. Plants spreading habit; silver gray foliage. Height 10 inches.
(Pkt. 10c) (1/4 oz. 25c) (1 oz. 75c).

4P—ANCHUSA, Italica, Dropmore. Tall spikes of rich gentian-blue blooms from June to September, on 4 to 5-foot stately plants.
(Pkt. 10c) (1/4 oz. 20c) (1 oz. 60c).

5P—ANCHUSA, Myosotidiflora. Sprays of clear blue Forget-me-not flowers on large round-leaved plants. Height 12 inches. For annual varieties see page 25.
(Pkt. 20c) (1/4 oz. 50c) (1/2 oz. \$1.80).

7P—ANTHEMIS, Tinctoria Perry Variety. A profusion of deep yellow daisy flowers; excellent for cutting throughout summer; 2 foot plant, elegant foliage; will bloom first year if the seed is started indoors early.
(Pkt. 10c) (1/4 oz. 25c) (1 oz. 75c).

AQUILEGIA. See Columbine.

AUBRIETIA. One of the daintiest and most beautiful dwarf creeping plants for carpeting beds or rock gardens.

9P—BOUGAINVILLEA. Hardy, very early. Covered with violet blue flowers.
(Pkt. 15c) (1/4 oz. 35c) (1 oz. \$2.00).

BELLIS. See English Daisy.

10P—CAMPANULA (Cup and Saucer). Medium *Calycanthema* Mixed. Biennial, erect-growing 2 1/2 foot plants, covered with large cup and saucer flowers.
(Pkt. 10c) (1/4 oz. 40c) (1 oz. 90c).

11P—CAMPANULA (Canterbury Bells). Deans Double and Single Mixed. A very showy biennial with branching 2 1/2 foot plants bearing spikes of bell-shaped blossoms in variable coloring. For other varieties see Annual list.
(Pkt. 10c) (1/4 oz. 25c) (1 oz. 75c).

12P—CANDYTUFT. (Sempervirens). The beautiful, pure white flower-heads form a sheet of bloom completely covering the dark green foliage. Excellent for edging and for rock gardens. Height 10 inches. For annual varieties see page 27.
(Pkt. 15c) (1/4 oz. 40c) (1 oz. \$1.50).

13P—BACHELOR BUTTON (Hardy Centaurea). Lovely, clear, deep blue resembling annual Bachelor Button but larger.
(Pkt. 10c) (1/4 oz. 25c) (1 oz. 65c).

14P—CARNATION, Teicher's Double Giant Flowered. Mixed. Plants very hardy, extra large double flowers, fine range of colors, large stems. Also see Annual Carnation, page 27.
(Pkt. 20c) (1/4 oz. 40c) (1 oz. \$3.50).

15P—COLUMBINE (Aquilegia), Rocky Mountain. Very beautiful perennial, native of Colorado. Color range from light to dark blue, cream centers.
(Pkt. 15c) (1/4 oz. 35c) (1/2 oz. \$1.00).

16P—COLUMBINE (Aquilegia), Mrs. Scott Elliott's Hybrids. A mixture of delightful shades including many soft pastel tones. Large flowers with broad guard petals and very long spurs are gracefully poised on long stems, on 3-foot plants.
(Pkt. 15c) (1/4 oz. 40c) (1 oz. \$2.75).

17P—COLUMBINE (Aquilegia), Double Finest Mixed. An extra selection of all finest long and new spurred varieties.
(Pkt. 10c) (1/4 oz. 25c) (1 oz. 70c).

18P—COLUMBINE (Aquilegia), Single Mixed. Beautiful combination of all single varieties of blue, red, pink, yellow, etc.
(Pkt. 10c) (1/4 oz. 20c) (1 oz. 45c).

19P—COREOPSIS, Grandiflora Lanceolata. 2 feet. Large single golden yellow flowers, with lanceolated petals; splendid for cutting.
(Pkt. 10c) (1/2 oz. 15c) (1 oz. 30c).

20P—COREOPSIS, Sunburst Double. Early large golden yellow, double and semi-double flowers, on long stiff stems, fine for cutting.
(Pkt. 10c) (1/4 oz. 30c).

21P—DAISY, Shasta (Chrysanthemum), Hybridum. Extra large pure white flowers on long stiff stems. The best Shasta Daisy.
(Pkt. 10c) (1/4 oz. 30c) (1 oz. 60c).

22P—DELPHINIUM, Belladonna Improved. Very free flowering. This extra-select strain comes in clear turquoise blue, on 4-foot plants.
(Pkt. 10c) (1/4 oz. 30c) (1 oz. \$1.50).

23P—DELPHINIUM, Bellamosum Improved. Uniform in color with spikes 2 1/2 inches across. Each dark blue floret has a white bee. Grows to 3 1/2 feet.
(Pkt. 10c) (1/4 oz. 30c) (1 oz. \$1.50).

24P—DELPHINIUM, Double Hybrid Mixed. Very large flowers.
(Pkt. 10c) (1/4 oz. 25c) (1 oz. \$1.40).

25P—DELPHINIUM, Pacific Giants. Blue, lavender, violet shades mixed. A remarkable strain; flowers extremely large, borne on long spikes; plants 5 feet tall.
(Pkt. 20c) (1/4 oz. 45c) (1 oz. \$2.75).

26P—DIGITALIS (Foxglove), Monstrosa Mixed. Extra large bell-shaped flowers; wide range of beautiful colors from white and shell-pink to deepest rose, many delightfully blotched or spotted with crimson and maroon. Grow about 6 ft. tall with flowering spikes often 3 ft. in length. These are biennials. So for continuous display sow every year.
(Pkt. 10c) (1/4 oz. 25c) (1 oz. 80c).

DIANTHUS (Hardy Clove Pinks). Brilliant colored flowers, bloom all summer, fine for beds and borders. Annual Pinks page 34.

28P—PLUMARIS, Single Mixed. Large fringe-edged flowers, many colors.
(Pkt. 10c) (1/4 oz. 20c) (1 oz. 45c).

29P—PLUMARIUS, Dwarf Double Flowered Mixed. Excellent 12 inch plants covered with fragrant double blossoms, wiry stems.
(Pkt. 10c) (1/4 oz. 40c) (1 oz. \$1.40).

ENGLISH DAISY, BELLIS (Biennial). Bright, colorful double flowers, popular for spring bedding plants. They succeed best in a medium moist soil, fail in dry soils and hot positions. Sow seed in August for bloom following spring. Set plants 4 to 6 inches apart and protect lightly over winter.

30P—SUPER ENORMA, GIANTS. New improved extra large-flowering strain. Ball-shaped fully double flowers measuring 2 1/2 to 3 inches across. 6 inches tall. Separate colors of crimson, pink, rose, white or mixed.
(Pkt. 20c) (1/4 oz. 50c) (1 oz. \$3.00).

31P—ETNA. Has dark wine red quilled petals surrounding a golden yellow center.
(Pkt. 20c) (1/4 oz. 40c) (1 oz. \$2.50).

EVERLASTING SWEET PEAS. See *Lathyrus*.

FORGET-ME-NOT. See Annuals page 29.

FOXGLOVE. See *Digitalis*.

34P—GALLARDIA (Blanket Flower), Grandiflora. Mixed. Bloom from June till frost. Flowers scarlet and orange. While this is a hardy perennial, will bloom the first year from early planting. Height about 1 1/2 feet.
(Pkt. 10c) (1/4 oz. 20c) (1 oz. 55c).



ANCHUSA, Dropmore



SHASTA DAISY



AQUILEGIA (Columbine)
Mrs. Scott Elliott's
Hybrids



DIGITALIS
(Foxglove) Shirley



DELPHINIUM
Pacific Giants

PERENNIAL AND BIENNIAL FLOWER SEED



BELLIS (English Daisy)
Super Giants, Enorma



HOLLYHOCK
(Chater's Double)

35P—GAILLARDIA, Portola Hybrid. 2 feet. Large flowers, often 4 in. across, of bronze-red scarlet intensified by golden yellow petal tips.
(Pkt. 10c) (1/4 oz. 30c) (1 oz. 70c).

37P—GYPSOPHILA (Baby Breath), Paniculata Single. Tiny white single flowers on strong thread-like stems. Plants 3 feet; large, bushy. Annual varieties page 26.

38P—GYPSOPHILA (Baby Breath), Paniculata Double. Forms 2 1/2 ft. sphere-shaped bush plant; feathery pinnacles bearing starry, double, white flowers.
(Pkt. 20c) (1/4 oz. 50c) (1/2 oz. \$1.50).

39P—GEUM, Mrs. Bradshaw. Flowers double orange red. 2 feet. Graceful, attractive flowers, June to September, for cutting and borders, on long stems.
(Pkt. 15c) (1/4 oz. 50c).

PRIMULA (Primrose). A beautiful early Spring and late Fall free-flowering perennial. Prefer shade and rich moist soil. Plants 6 inches, covered with blooms. Wide color range and shades of soft yellow, orange, red, bronze and white. Best to start seed early indoors, slow to germinate.

40P—Veris Colossea Superb Mixed. This variety does best in this area.
(Pkt. 25c) (1/4 oz. \$1.00) (1/2 oz. \$3.25).

HOLLYHOCK. Are most striking when seen in groups or long rows against evergreen hedges, shrubbery, etc., and in their turn, form a very fine background for plants of lower growth. Seed sown in late spring or early summer will bloom profusely the next year.

42P—HOLLYHOCK (Chater's Extra Double Mixed). Tall spikes 7 feet high. Closely set with double showy flowers of beautiful colors.
(Pkt. 15c) (1/4 oz. 20c) (1 oz. \$1.40).

43P—HOLLYHOCK, Single Mixed.
(Pkt. 10c) (1/4 oz. 25c) (1 oz. 95c).

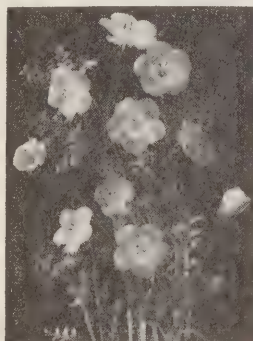
44P—HONESTY (Peter's Penny). Grown for the silver, paper-like, flattened, rounded seed pods, which, when dried, make very attractive winter decorations. Purple flowers.
(Pkt. 10c) (1/4 oz. 40c).

46P—LATHYRUS (Everlasting Pea), Latifolius. Trailing plant suitable for arches, trellises or rough banks, bearing numerous large racemes of 8 to 10 pink, red and white pealike flowers.
(Pkt. 15c) (1/4 oz. 30c) (1 oz. \$1.00).

47P—LINUM PERENNE (Blue Flax). 2 feet. Has dainty sky-blue flowers on graceful, arching stems. Blooms produced continuously in profusion. For other varieties see Annual list.
(Pkt. 10c) (1/4 oz. 25c) (1 oz. 60c).



LUPINES, RUSSELL



LINUM PERENNE

48P—LUPINES, Russell's (Special Mixed). Beautiful stately perennials with bold symmetrical, 3-ft. spikes of pea-shaped flowers, closely set from top to bottom. They like a warm, sheltered position. For annual varieties see page 30.

(Pkt. 10c) (1/4 oz. 25c) (1 oz. 60c).

PINKS. See Dianthus.

53P—PENTSTEMON, Sensation. Long flowered spikes, brilliant and varied colors. If started indoors in March will bloom freely first year. In northern states needs winter protection.

(Pkt. 15c) (1/4 oz. 35c) (oz. \$2.25).

55P—POPPY, Iceland (Nudicale). Giant Kelmscott. Flowers very large on strong stem. Brilliant mixture of pink, rose and red. Cool moist soil best.

(Pkt. 15c) (1/4 oz. 45c) (1 oz. \$1.80).

56P—POPPY, Oriental Brilliant. Large fiery red flowers. Plants 30 inches tall.

(Pkt. 15c) (1/4 oz. 30c) (1 oz. \$1.75).

57P—POPPY, Oriental Mixed. Enormous, brilliant, produces flowers from salmon pink to dark crimson. Often 5 to 6 inches across.

(Pkt. 15c) (1/4 oz. 30c) (1 oz. \$1.75).

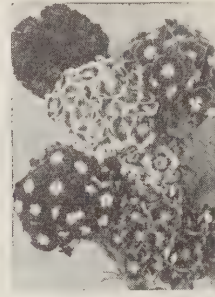
POPPY, Annual. See page 27.

59P—PYRETHRUM HYBRIDUM (Painted Daisy). Large Flower Single. Easily grown from seed. Bloom in June. If plants are cut back will bloom later in season. Wonderful for cut flowers. Fernlike foliage plants are beautiful even when not in bloom. Florists Strain.

(Pkt. 10) (1/4 oz. 50c) (1 oz. \$1.50).



POPPY, Iceland



SWEET WILLIAM
(Single)

60P—PYRETHRUM. Prize mixture of all colors. 80% extra double. Florists strain.

Mixed (Pkt. 25c) (1/4 oz. 45c) (1/2 oz. \$1.40).

61P—PYRETHRUM, James Kelway. Daisy-like flowers, bright vermilion red with yellow center, very showy, excellent cut flowers. (Pkt. 20c) (1/4 oz. 60c).

63P—STRAWBERRIES, Alpine New Baron Solemacher. A new everbearing strain producing an abundance of dark red elongated berries of unusual flavor half as large as commercial varieties. Easily picked. Plants bush form produced from seed only, makes no runners. Very effective in borders or beds.

(Pkt. 20c) (1/4 oz. 35c) (1/2 oz. \$1.50).

65P—STATICE (Sea Lavender).

Caspia. 2 1/2 ft., small lilac flowers on much branched stems. Latifolia. 1 1/2 ft., large spreading pinnacles of tiny blue-purple flowers.

(Pkt. 10c) (1/4 oz. 40c).

66P—SWEET WILLIAMS, Double Mixed. Easily grown, blooms early, produces showy full flower heads composed of numerous individual double blooms. For best results treat as a biennial but will usually reseed itself.

(Pkt. 10c) (1/4 oz. 25c) (1 oz. 60c).

67P—SWEET WILLIAMS, Dwarf Double Mixed. Many colors and markings will be found in this mixture. Plants 8 to 10 inches.

(Pkt. 15c) (1/4 oz. 35c) (1 oz. 95c).

68P—SWEET WILLIAMS, Single Mixed. Many colors and markings will be found in this mixture.

(Pkt. 10c) (1/4 oz. 20c) (1 oz. 50c).

69P—VIOLET ODORATA, The Czar. Double. The true dark purple, sweet scented violet. Plants very hardy. Thrives best in shady place.

(Pkt. 20c) (1/4 oz. 75c).

70P—WALLFLOWER, Fine Double Mixed. (Biennial). Long spikes of sweet scented double flowers. In northern states needs some winter protection. Also Annual Wallflowers page 36.

(Pkt. 15c) (1/4 oz. 50c).

All Prices Postpaid

NURSERY STOCK

All of our nursery stock has been STATE INSPECTED and free from diseases

We have an excellent stock of carefully grown Fruit and Shade Trees, Roses, Shrubbery, Plants, Roots, etc., QUALITY to which we wish to call your particular attention. Our stock is all First Grade or Number One, and includes the varieties which are most popular and do best in our western climate. LOW GRADE Nursery Stock is priced to attract the frugal buyer. However, it is the a Poor Investment.

CONDITION OF SALE

Claims for any cause must be made promptly on receipt of stock. We will not allow any claims after goods have been accepted, or if report is not received by us within 10 days after arrival of goods. If however, within 30 days after planting, the stock fails to leaf out and start growing, we will replace for one-half the catalog price, plus postage.

NURSERY STOCK WILL NOT BE SENT C. O. D.

BLEEDING HEART

Dielytra Exlma (RG). A low growing plant, blooming throughout the summer with bright pink flowers. Should be planted in shady or partially shady location. Height 8 to 12 inches. (Each 69c) (3 for \$1.90).

Add postage and packing: (Each 23c) (3 for 34c).

Dielytra Spectabilis. (Old-fashioned Bleeding Heart). A hardy perennial plant with finely cut foliage. Graceful, heart-shaped, pink and white flowers early in the spring. 3 to 5 eyes.

(Each 89c) (3 for \$2.59).

Add postage and packing: (Each 23c) (3 for 34c).

CARNATION. Hardy. Colors, red, pink and yellow.

(Each 35c) (3 for 89c).

Add postage and packing: (Each 23c) (3 for 34c).

GARDEN CHRYSANTHEMUM

The following fall blooming Mums are earlier blooming varieties and well adapted to our western climate, producing beautiful flowers of autumn colors from early September to freezing weather. Hardy, field grown divisions.

Key to Symbols: L—Large; D—Decorative; B—Button; P—Pompon. Height: M—Medium; S—Short; T—Tall.

Alabaster. (L-D-M). The world's best large, creamy white. Everyone's favorite. Excellent for cutting. Sept. 4.

Glowing Coals. Oxblood red. Large full centered. Blooms from September to frost.

Chippewa. (L-D-M). Mallow purple. Long stems, 4 in. flowers, sturdy plants to 24 in. tall. Blooms Sept. 10th to hard killing frosts.

Ember. (B-M). Early blooming pompon or button Mum. Starts blooming in September. Fine garden variety and for cut flowers. 18 to 24 inches tall.

Mrs. Findley. (L-D-M). One of the best yellows. Starts flowering in August and at its best in September. Bright yellow flowers about 4 inches across, full double. Branchy growth and very hardy. 2 ft.

Pink Radiance. (L-D-T). Luminous double pink blooms in September. Hardy and bushy growth. About 3 ft. tall. (Each 55c) (6 for \$3.00).

Add postage and packing (Each 23c) (6 for 39c).

CLEMATIS

RECTA GRANDIFLORA. Small white flowers June and July. Fine for cut flowers. Grows to 2 feet tall.

(Each 49c) (3 for \$1.30).

Add postage and packing: (Each 23c) (3 for 34c).

COLUMBINE

(Aquilegia)

One of the finest perennials to bloom in the spring. Unsurpassed as a cut flower, for they bloom over a long season and on long stems. Thrives best in a sandy loam soil, either rock garden or perennial flower bed. Prefers partial shade. Height 2 feet.

Rocky Mountain (Coerula). Native of Colorado. A very graceful, long-stem, deep sky-blue flower with cream-white center and long spurs.

Crimson Star. A striking crimson Columbine with white corolla. Good border or cut flower.

Either variety.

(Each 45c) (3 for \$1.25).

Add postage and packing: (Each 23c) (3 for 29c).

CHRYSANTHEMUM

CUSHION CHRYSANTHEMUM. Low growing Mums forming a mound of colorful blooms resembling the old-fashioned Azalea. Plants grow 10 to 12 inches high. Start blooming early and continue until frost. Very hardy and easily grown. One plant will produce hundreds of blossoms. Following named varieties:

Bronze Cushion. Rich red bronze, turning to bronzy yellow.

Red Cushion. Good red, multitude of 2 to 2½ in. blooms.

Pink Cushion. Opens a deep orchid pink, later salmon pink.

White Cushion. Snow white flowers with faint yellow center.

Yellow Cushion. Brilliant golden yellow, dense growth, large clumps covered with blooms.

(Each 35c) (5 for \$1.60).

Add postage and packing: (Each 23c) (5 for 34c).



PINK CUSHION CHRYSANTHEMUM

DELPHINIUM

PACIFIC HYBRIDS. An outstanding delphinium. Grows tall and stately with long tapering spikes. They will grow in almost any soil but do their best in a good rich loam, making a height of from 5 to 7 feet. Mildew resistant. One of the best as a background for the perennial flower garden. Large field grown plants. Your choice of color: Deep blue, white, lavender, pink or purple. (Each 89c) (3 for \$2.55).

Add postage and packing: (Each 23c) (3 for 39c).

GYPSOPHILA

(Baby's Breath)

BRISTOL FAIRY. A beautiful double white flowered variety. When in full bloom it forms a symmetrical mass 2 to 3 feet in height of pure white flowers. Cannot be excelled for cutting purposes, especially in combination with highly colored flowers. Can also be cut and dried and used in bouquets long after other outdoor flowers are gone.

(Each 89c) (3 for \$2.49).

Add postage and packing: (Each 23c) (3 for 34c).



DELPHINIUM, PACIFIC HYBRIDS

LUPINES

RUSSELL LUPINES. Similar in habit and growth to the common lupine but having more vivid coloring and color combinations. The many hued and long stemmed blossoms are very desirable either as background for the perennial bed or for cut flowers. One-year plants.

(Each 45c) (3 for \$1.25).

Add postage and packing: (Each 23c) (3 for 34c).

HARDY PHLOX

Aetna. Clear red.

Africa. Carmine-red with blood-red eye.

B. Compte. Brilliant rich French purple.

Beacon. Cherry red.

Border Queen. Deep watermelon pink.

Bride's Maid. Pure white with large crimson eye.

Champs Elysees. Rich purple crimson.

Lavender. Pure lavender.

Pantheon. Clear pink with dark eye.

Thor. Deep salmon pink.

Von Hockberg. Good red.

(Each 35c) (3 for 95c) (Dox. \$3.60).

Add postage and packing: (Each 23c) (3 for 29c) (Dox. 39c).

BALLOON FLOWER

PLATYCODON. Closely related to the Campanula. Large deep blue flowers all summer on 18-inch stems.

(Each 35c) (3 for 95c).

Add postage and packing: (Each 23c) (3 for 29c).

STATIC

LATIFOLIA. Sea Lavender. Grows 12 to 15 inches high in clumps of thick, leathery foliage, with loose panicles of tiny delicate blue flowers in heads 15 inches or more across.

(Each 48c) (3 for \$1.35).

Add postage and packing: (Each 23c) (3 for 29c).

SWEET PEA

PERENNIAL (Lathyrus). Flowers much like the annual Sweet Pea. Can be used as a covering for walls and trellises, and as a border plant. Colors pink, red or white.

(Each 39c) (3 for \$1.05).

Add postage and packing: (Each 23c) (3 for 29c).

FERNS

GOLDIE'S WOOD (Aspidium). Hardy evergreen variety. Grows about 2 feet.

MAIDEN HAIR, (Spleenwort Asplenium Tricomans). Does best in shade. Growing to 2 feet. Very attractive native variety. Black stems with green fronds.

OSTRICH FLUME (Onoclea Struthiopteris). Very graceful with finely cut pinnules. Grows 2 to 3 feet.

Your choice of above: (Each 45c) (3 for \$1.25).

Add postage and packing: (Each 23c) (3 for 29c).

The culture of peonies is very easy and it does not require any certain soil, either sandy or heavy will do. The earth must be spaded deep. A little manure mixed in would not hurt. After your ground is in shape, plant the roots from 2 to 3 feet apart, covering the crown only 1 to 2 inches. Then give them plenty of water for best results. Peonies do better if not crowded by other shrubs or plants. 3 to 5 eyes per division.

(E) denotes Early, (M) Midsummer, (L) Late.

Baroness Schroeder (L). Flesh to white.

Duchess de Nemours (E). Sulphur white.

Edulis Superba (E). Bright clear pink.

Felix Crousse (M). Ruby red.

Festiva Maxima (E). White.

Karl Rosenfield (M). Velvety crimson.

La Perle (M). Flesh.



REGAL LILY

HARDY LILIES

ELEGANS ATROPURPUREUM. A good one for bedding, growing 12 to 15 inches. Deep red flowers, shaded crimson, large size. Blooms in June. Plant 4 to 5 inches deep.

(Each 49c) (3 for \$1.35) postpaid.

HENRYII, The Golden Speciosum. Golden yellow flowers in August and September. Plant 6 to 8 inches deep.

(Each 49c) (3 for \$1.35) postpaid.

MADONNA (Candidum). Clear waxy white flowers. On stems to 4 feet. Very fragrant.

(Each 49c) (3 for \$1.35) postpaid.

REGALE. A lily of rare beauty. The flowers are white, slightly suffused with pink, creamy yellow throat, and very fragrant. Blooms in July. Plant about 5 inches deep. Large bulbs 6 to 8 inches.

(Each 35c) (3 for 95c) (Dox. \$3.49)

postpaid.

SPECIOSUM RUBRUM. Grows 3 to 5 feet tall. Blooms in September. Flowers of white background and shading from pink to carmine with pink dots. Plant 6 to 8 inches deep.

(Each 69c) (3 for \$1.95) postpaid.

TIGER LILY, Double. An old favorite, easy to grow and very hardy. Grows 3 to 5 feet. Blooms September and October. Large bulbs, 6 to 8 in. Plant about 5 in. deep.

(Each 35c) (3 for 95c) (Dox. \$3.49)

postpaid.

LILY-OF-THE-VALLEY. It does best in a shady location and spreads rapidly. Every year you find more plants. They show early in the spring and are one of the first to bloom. It is very hardy and needs no attention in the fall to carry through the winter. (For a clump of 10 pips, 38c) (10 clumps \$3.25) postpaid.

PEONIES



BARONESS SCHROEDER

CANNAS

For best results in our climate canna bulbs should be planted indoors during April in pots or flats and then transplanted to the garden when danger of frost is past. When planted outdoors spade soil about 12 inches deep and if possible mix some manure with the soil. Place bulbs or plants about 5 or 6 inches deep and about 2 feet apart.

City of Portland. 3½ feet. Deep pink; green foliage. Free bloomer.

Eureka. 4 feet. Large creamy-white flowers. Blooms early and freely through summer. Green foliage.

Florence Vaughan. 4 feet. Bright, rich, golden yellow, dotted crimson. Green foliage.

Hungaria. 4 feet. Large heads of peach pink with green foliage. One of the best pinks.

King Humbert. 4 feet. Handsome scarlet flowers. Broad, tropical bronze leaves. Free blooming.

Madam Crozy. 4 feet. Brilliant vermilion-scarlet, yellow-golden edge.

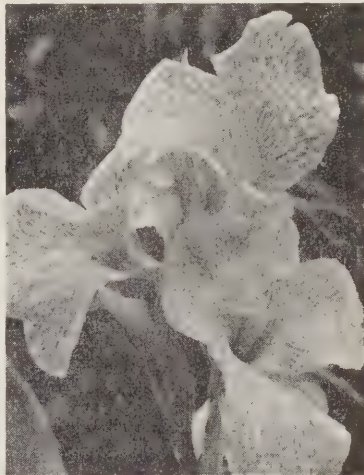
Statue of Liberty. 5 to 7 feet tall. Blazing flame red flowers. Bronze foliage.

The President. 4 feet. Rich, glowing scarlet, immense size bloom. Large green leaves, strong grower.

Wyoming. 5 feet. A beautiful orange color. Bronze foliage.

Yellow King Humbert. 4 feet. Deep rich yellow, spotted and blotched bright red. Green foliage. Occasionally some plants will give a scarlet or scarlet-striped flower.

All varieties (Each 19c) (6 for 98c). Add postage and packing: (Each 19c) (6 for 26c).



YELLOW KING HUMBERT

Monsieur Jules Elie (E). Lilac pink. Very good.

President Taft (M). Pink.

Richard Carvel (E). Bright crimson. Above peonies (Each 89c) (3 for \$2.45).

Add postage and packing: (Each 23c) (3 for 44c).

We have many varieties not listed above. If interested in lots of 10 or more, please write for prices and varieties.

MIXED PEONIES

Good roots. Choice of red, white or pink peonies, unnamed varieties. (Each 69c) (3 for \$1.90).

Add postage and packing: (Each 23c) (3 for 44c).

GLADIOLI

GOLD SEAL GLADIOLI ARE BEST QUALITY

One of the most satisfactory of all flowering bulbs, the gladiolus has an almost unlimited selection of colors to choose from and is easily grown. The colored florets on long spikes make unusually long lasting, fresh-looking bouquets.

They do best in deeply spaded rich soil and a sunny location. Plant 4 to 5 inches deep and about the same distance apart with the crown of the bulb uppermost. The amount of water given the ordinary garden is sufficient. Plantings may be made at different times from April to June 1, thus insuring beautiful cut flowers throughout most of the summer.

To kill Gladiolus Thrip we recommend DDT 5 per cent dust.

Camrose. Apple blossom pink.
Chamouny. Deep rose, edged with silver.
Crinkled Cream. Large light creamy yellow.

Daisy Mae. Orange pink with dark throat blotch.

Elizabeth the Queen. Orchid lavender.

Ethel Cave Cole. Large, light pink.

Hauptmans Glory. Deep yellow.

White Challenge. White with reddish feather in throat.

Dot Armstrong. Ruffled, velvety red-purple.

Lady Jane. Cream with yellow throat.

Strawberry Peach. Huge, peach pink.

Pactolus. Apricot yellow, orange throat.

Modern Times. Bright American Beauty rose red.

Pink Radiance. Tall pure pink.

Ravel. New blue shade. Very good.

Red Charm. Good crimson, large blooms.

Rosa Van Lima. Shell pink, white markings.

White Goddess. Ruffled pure white.



**DAISY
MAE**

Snow Princess. Best commercial white.
Spic and Span. Tall bright pink.
Spotlight. Yellow with red throat.
Valeria. Distinctive soft scarlet.
White Gold. Large cream, golden throat.
Yellow Herald. Early lemon yellow.
Your choice of above bulbs: (10 for 89c) (100 for \$6.90).
Add postage and packing, first 10, 27c. For each additional 10 add 6c postage.

NEWER VARIETIES

Special Gladioli Collection

Abu Hassan. Deepest purple.

Cardinal Spellman. Large maroon red.

Dieppe. Slightly ruffled orange red with rose overtone. Strong grower.

Mother Kadel. Clear yellow.

Phantom Beauty. Light pastel pink.

Sharazade. Light pink with dark red throat.

Themesong. Deep orchid pink.

Uhu. Good, brown with salmon shadings.

One each of above collection, 8 bulbs 89c.

Add postage and packing: For 1 collection 23c. Each additional collection add 5c.

JUMBO MIX

A selection of large bulbs mostly 2 inches or better that will produce large spikes of flowers. Hand sorted from good bulb stocks. 6 to 8 varieties mixed.

Per dozen 69c. Per hundred \$5.30.
Add postage and packing, per dozen 31c. Per 100 59c.

DAHLIAS

Culture: Pick a sunny spot if possible and spade well. Then lay the root on its side about 4 inches from the surface. In covering, be sure to have the soil packed firmly about the tuber; plant only when the soil is dry, then water sparingly. Bulbs require one to two weeks to come up.

Key—(PF), Peony Flowered. (D), Decorative. (C), Cactus. (HC), Hybrid-Cactus. (S), Show.

Adirondack Sunset. (D). A very large, vivid scarlet shading to bright canary yellow at the base of petals.

(Each 75c).

Alisa Belle (C). Raspberry red with a shade lighter on the reverse. Wonderful as a cut flower, very long stems.

(Each 75c).

Avalon (D). Pure clear yellow; the large flowers are very distinct and pleasing in shape, always full to the center.

(Each 49c).

Baby Keith (D). Peach, amber and rose red profuse bloomer. Ideal for cutting.

(Each 59c).

Blue River (D). Very large, bright mauve with decided blue shading. Stems splendid, profuse blooming.

(Each 59c).

California Idol (D). One of the largest yellows grown. Has been and still is a great winner at the shows. Deep flowers with high full centers. Sturdy bush.

(Each 59c).

Chemar's Dahliamum (D). Large full apricot formed like a large Mum. Good branching bush with lots of bloom.

(Each \$1.00).

Cherokee Brave (D). Color, dark glowing carmine. Long stiff stems hold the large blooms perfect.

(Each 75c).

City of Buffalo (D). A real red dahlia. There are no adjectives to fully describe this reddest of all red dahlias. Center of flower is full decorative type. When in full bloom outside edge has slight appearance of cactus dahlia.

(Each 75c).

Clara Barton (D). Large flowers of a silvery orchid, reverse of petals deep lavender. The general effect is lavender.

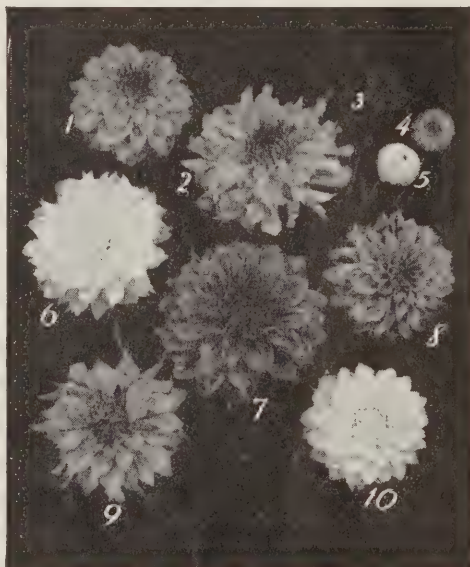
(Each 49c).

Commando (D). A clear shade of lavender or true phlox purple and very bright. Large clean flowers from 10 to 14 inches and held on long stiff stems. An achievement medal winner.

(Each 75c).

Cometeer (C). Cactus, bronzy gold.

(Each 59c).



1. Jersey's Beauty

2. Jane Cowl

3. Rothout

4. Edith Mueller

5. Little Snow White

6. Avalon

7. Jersey's Beacon

8. Mrs. I. de ver Warner

9. Kentucky

10. Jim Moore

D Day (FD). An outstanding light pink cut-flower. Long stems and free-branching prolific habits. One of the best pinks. Cut-flower growers—do not miss this one.

(Each 75c).



COMMANDO

Evelyn Chandler (SC). Bright golden orange. (Each \$1.00).

Gov. Heil (C). A beautiful combination color of orange and burnt orange towards the center, a free bloomer and good grower. (Each 75c).

Hilda Floretti (SC). A real find in a pink semi-cactus. A perfect flower on long straight stems. (Each \$1.00).

J. A. Kernochan (FD). A lovely bi-color of garnet red with white tips. It is nearly a ball with all good points. (Each 75c).

Jane Cowl (D). Buff and old gold blending to apricot and rose. (Each 59c).

Jersey's Beauty (D). A most distinctive Dahlia of a rose pink color. (Each 59c).

Jersey's Beacon (D). Immense flower of Chinese scarlet, reverse paler, nice stems. (Each 49c).

Kemp's White Wonder (HC). A shaggy white, one of the largest of Dahlias, very robust plant and a good propagator. (Each 59c).

Kentucky (D). A sport of Jersey Beauty. Bronze pink, good stem. (Each 59c).

La Reina (D). Golden Buff. Very good. (Each 59c).

M. Col. (D). A beautiful tri-color flower. Yellow at the center shading to orange with silvery white tips. (Each 59c).

Mrs. Edison (D). Large purple. (Each 75c).

Mrs. Geo. Lebouillier (D). One of the very best exhibition reds. Large flowers on long, fine stems. The color is a pleasing shade of deep crimson red. Highly recommended. (Each 59c).

MISCELLANEOUS BULBS

The following bulbs should be started indoors if early blooms are desired and then transplanted out of doors when danger of freezing is past.

BEGONIAS

Also see page 3.

Double Tuberous Rooted. Use as potted plants or in beds out of doors. For early blooms pot them indoors using flat boxes or pots with about three inches of $\frac{3}{4}$ peat moss and $\frac{1}{4}$ enriched soil. Place bulbs just below the surface 3 to 4 inches apart. Keep moist and in a well lighted position, but not in direct sun. Transplant to pots or out of doors when shoots are about 4 inches tall or as weather permits. Dig them in the fall before severe freezing weather. It is necessary that they be planted in a shady location. Separate colors or mixed, red, pink, yellow, white, orange copper. Large size $1\frac{1}{2}$ to 2 inches. (Each 20c) (Dox. \$2.10). Giant size 2 inches and larger. (Each 25c) (Dox. \$2.65) postpaid.

TUBEROSES

Grown for their fragrant spikes of heavy waxen flowers. For best results, plant in pots early in season, leave in dark place and transplant to outdoors when weather is suitable. We are offering the most commonly grown, and an old standard of the garden.

Pearl. Dwarf and double. White. Very fragrant. (3 for 50c) (Dox. \$1.75) postpaid.

CALADIUM ESCULENTUM

Sometimes called "Elephant Ear." Very large leaves, dark waxy green bearing a resemblance to elephant's ears, on sturdy plants. Nice specimen for the flower garden. (Each 39c) (3 for 98c) postpaid.

Mrs. I. De Ver Warner (D). Mauve pink. (Each 49c).

Oakleigh Champion (HC). Burnt-orange with soft pink and lemon shadings. Long twisted petals and long stems. (Each \$1.00).

Omar Khayyam. Very large Chinese red shading to bright orange. Strong grower. (Each 59c).

Pink Giant (D). Certainly one of the most beautiful of the new dahlias. Very large flowers of clear, pure pink. (Each \$1.00).

Rita Wells. A very large dahlia. Informal decorative to semi-cactus. Grenadine pink on buff. (Each 75c).

Sherwood's Peach (D). Orange apricot in immense size. (Each \$1.00).

Town Topic (D). Magenta purple. Stems extra long, sometimes comes tipped with white. (Each \$1.00).

Tower's Empire (HC). Graceful deep yellow flowers on clean growing bushes. Light green, lacy foliage. (Each 59c).

White King (D). White, fairly good cut flower. (Each 49c).

POMPON DAHLIAS

These grow about 3 feet tall with small, formal flowers; excellent for cutting, lasting for days in hottest weather.

Little Belle. Deep rose pink.

Morning Mist. A fine newer variety that promises to be a general favorite both for commercial use and in the garden. The color is a rosy-lavender overlay on white base. It has long, strong stems and is a vigorous grower.

Edith Mueller. A beautiful two-toned variety. Golden-orange at base and salmon-red at petal tips. The flowers are perfectly round and borne on long, strong stems. Very fine.

Little Snow White. Good white on fine stems.

Mary Munn. A fine pure lavender.

Rothout. Deep red and a favorite in this color. Long, strong stem and free flowering. Good commercial red.

Yellow Gem. Pure yellow, of excellent form and habit. The best of the yellows.

Your choice of above Pompon Dahlias. (Each 39c). See postage rates below.

Orders of 6 or more Dahlias 5% reduction in price.

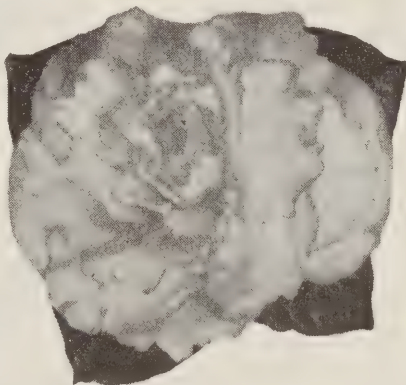
DAHLIA COLLECTION \$3.89

We are making a Special Offer of Twelve (12) good roots, our selection, all different colors, no two alike, for \$3.89. This collection contains some of our finest varieties of which we have a surplus.

Add postage and packing charge 1 collection—29c. Each additional collection—15c.

DAHLIA PRICES NOT POSTPAID

When making out your order include 7c postage for the first bulb and for each additional bulb ordered add 3c. This does not apply to Dahlia Collection on this page.



BEGONIA, TUBEROUS

FALL BULBS

We do not issue a Fall Catalog but will be glad to send you our List of top quality tulips, narcissus and other Dutch bulbs next fall.

Shall we put you on the list to receive one of these money saving price lists?

HOWARD'S WESTERN GROWN BARE ROOT ROSES FROM THE HIGH MOUNTAINS COME THE FINEST ROSES IN THE WORLD

The finest In The World
All Strictly No. 1 Quality

We Do Not Carry
No. 1½ or No. 2 Grade

Prices Except Patented Varieties

\$1.19 Each

Three for \$3.45

Add postage and packing
charges: (29c each) (3 for 39c)

YOUR CHOICE

Dozen \$12.90

Add postage and packing: 65c

EVERBLOOMING HYBRID TEAS

Hybrid Tea or H. T. roses will bloom the first year and intermittently during the summer. A favorite with rose growers.

PINK VARIETIES

EDITOR McFARLAND. Large glowing pink blooms, fragrant; strong stems on a vigorous plant.

MRS. CHAS. BELL. Distinct shell pink, shaded soft salmon.

PICTURE. Velvety clear rose pink with undertone of salmon-rose.

PINK DAWN. Bud long pointed. Large double flower, high centered, very fragrant. Deep rose-pink opening to a lighter shade. Vigorous.

PINK RADIANCE. Same habits of growth as the Red Radiance only pink in color.

THE DOCTOR. Large beautiful buds opening to enormous semi-double cupped flowers of satiny pink. Hardy, vigorous and bushy plants.

RED VARIETIES

CHRISTOPHER STONE. Vivid scarlet roses of a velvety texture. Free blooming, fragrant, hardy.

CRIMSON GLORY. Perfectly formed blooms, intense vivid crimson, soft velvety sheen. Fragrant.

E. G. HILL. Large, extremely double, lasting deep scarlet, vigorous grower and a profuse bloomer.

ETOILE DE HOLLAND. Large dark velvety red. Very fragrant and a heavy bloomer.

GRENOBLE. Crimson buds on long stems opening into large brilliant red flowers. Vigorous, hardy.

HADLEY. Very large, well formed, double, fragrant, rich crimson blooms. Rich green foliage and very hardy.

NIGHT. Long pointed buds; high centered, fragrant double flowers of deepest blackish crimson, shaded maroon. Bushy plants.

POINSETTIA. Long pointed buds. Large double flowers of bright scarlet. Profuse bloomer.

RED RADIANCE. Always in bloom with large round blossoms of deep rose red. Strong canes bearing until frost.

RED TALISMAN. Bud long pointed, large flowers, double, fragrant. Deep cerise-red, yellow at base. Good grower.

TEXAS CENTENNIAL. Long pointed buds, well formed double flowers, brick red with light center. Vigorous upright grower.

WE CARRY NO TEXAS GROWN ROSES

All are high altitude No. 1 Roses. When we say NUMBER ONE, we mean that the roses have strong unwaxed canes and a mass of vigorous roots containing many small fibrous roots that enable the plant to get the much needed start when first planted. We would also like to call your attention to the fact that EARLY PLANTINGS bring EARLY FLOWERS. Hot weather plantings are never as good as when planted during the cooler spring weather.

Planting and cultural directions with each order.

MULTI-COLORED

Each rose of two or more colors or shades.

AUTUMN. Vigorous grower with long, strong stems. Blooms of rich burnt orange, yellow and red.

CONDESA DE SASTAGO. Golden yellow buds. Yellow and copper-scarlet blooms. When the flower is open the inside of the petal is a fiery red, and the outside a rich gold. Disease resistant. A fine spicy scented rose.

COUNTESS VANDAL. Orange and copper buds, flowers open to brilliant pink with yellow base.

DUQUESA DE PENARANDA. A popular variety, large pointed buds of copper-apricot with glossy foliage. Grows tall and well shaped.

PRESIDENT HOOVER. Large double blooms of creamy yellow tinted with flame pink. Long stems.

TALISMAN. A favorite of rich yellow and rose red. Good stems for cutting.

WHITE VARIETIES

KAISERIN AUGUSTA VICTORIA. Ivory white, high centered, double.

MME. JULES BOUCHE. Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with bluish pink; fragrant. Plant exceptionally strong and continuously in bloom.

McGREDY'S IVORY. Long pointed bud; large flowers, double, fragrant. Creamy white, yellow base. Large leathery foliage.

CLIMBING ROSES

BLAZE. (H.T.) Hardy recurrent blooming climber, with the beautiful scarlet shades of Paul's Scarlet climber; but a much heavier bloomer.

DOROTHY PERKINS. Soft shell-pink flowers; good grower.

EXCELSA. Double scarlet crimson blooms. Hardy and good bloomer.

PAUL'S SCARLET. A profuse spring bloomer of vivid scarlet. Hardy. One of the best.

NEW DAWN. One of the best hardy everblooming climbers. Apple blossom pink flowers are fully double with a delicate old rose fragrance. Perfectly formed buds opening to large flowers on long stems that are ideal for cut flowers. Grows rapidly and makes a good showing the first season.

WHITE DAWN. A hardy everblooming white climbing rose. Double snow-white flowers and a heavy bloomer. Fragrant. Usually blooms the first year.

Any one of the above non-patented roses. (Each \$1.19) (3 for \$3.45). Packing and postage (29c each) (3 for 39c).

PATENTED CLIMBING ROSE

DR. J. H. NICOLAS. (Pat. No. 457.) Vigorous plant with dark green foliage. Flowers fully double, rose pink, 5 to 6 inches across and with about 50 petals, fragrant. Will grow about 8 to 10 feet tall and is everblooming. (Each \$2.00) (3 at \$1.75 each). Add postage and packing (29c each) (3 for 39c).



CRIMSON GLORY

OUR NO. 1 BARE ROOT ROSES

Have root systems that are too large to be used as package roses. We keep them at a low temperature and in damp peat moss to maintain their vitality and freshness until sold. The larger the root the more vigorous the plant. In rose plants it is the roots that count.

YELLOW AND GOLD VARIETIES

ECLIPSE. Long pointed buds, deep gold. Yellow flowers on long strong stems. Leathery foliage on strong canes.

GOLDEN DAWN. Bud rich sunflower yellow, flushed old rose. Double.

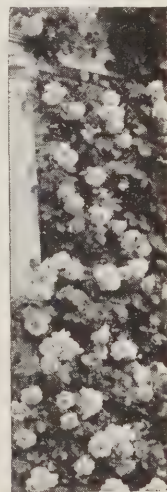
McGREDY'S YELLOW. Beautiful light buttercup yellow buds. Double flowers of good size. Hardy.

MRS. E. P. THOM. Long pointed buds; large flowers, well formed, double, fragrant, clear deep canary-yellow. Long stemmed. Hardy.

MRS. PIERRE S. DUPONT. Golden yellow, to lighter with age. Well formed fragrant blooms. Rich green foliage.

SOEUR THERESE. Long pointed buds; large golden yellow flowers, slightly fragrant. Leathery foliage, vigorous grower.

HEDGE ROSES—See page 46.



BLAZE

HOWARD'S PATENTED ROSES

The Finest Grown Anywhere

PRICES

on Patented Roses are set by the originator, and cannot be changed by the retailer. So, why not get the best quality in sturdy bushes with large fibrous roots. They cost no more.

PATENTED HYBRID TEAS

ADD POSTAGE AND PACKING
29c each, 3 for 39c, dozen 65c

CAPISTRANO. (Pat. No. 992.) Rich shade of deep pink in buds as well as flowers. Does not fade. Buds are large. Blooms on strong stems with a rich lasting fragrance. (Each \$2.00) (3 at \$1.75 each).

CHRYSLER IMPERIAL. (Pat. No. 1167.) All-American for 1953. Its vivid rich tones of crimson are enriched by darker tones of ox-blood red. Produces an abundance of high centered, very fragrant flowers $4\frac{1}{2}$ to 5 inches across. Buds long and tapered. Sturdy compact bush. Leaves large, dark. (Each \$2.50) (3 at \$2.20 each).

CHARLOTTE ARMSTRONG. (Pat. No. 455.) Long slender blood-red buds opening to brilliantly hued flowers, spectrum red in cool weather and cerise in hot weather. (Each \$2.25) (3 at \$2.00 each).

MIRANDY. (Pat. No. 632.) Long ovoid buds opening to very double blooms of maroon red. Long lasting and of penetrating fragrance. (Each \$2.25) (3 at \$2.00 each).

NEW YORKER. (Pat. No. 823.) Large velvety scarlet. Fragrant. An abundance of blooms on vigorous, bushy plants. (Each \$2.00) (3 at \$1.75 each).

NOCTURNE. (Pat. No. 713.) Bright cardinal red with dark shadings of crimson. Large petals, long lasting fragrant flowers. A.A.R.S. award for 1948. (Each \$2.00) (3 at \$1.75 each).

PEACE. (Pat. No. 591.) Ovoid buds and golden yellow etched with pink as they open. Color changes from canary yellow to pale golden, to cream. Petals are edged with apple blossom pink that deepens as the flowers open to about 5 inches. (Each \$2.50) (3 at \$2.20 each).

REX ANDERSON. (Pat. No. 835.) An outstanding exhibition rose of delicate ivory white. Perfect form, slow opening, one of the few successful whites. Large full double flowers. (Each \$1.75) (3 at \$1.50 each).

PATENTED FLORIBUNDA ROSES

BETTY PRIOR. (Pat. No. 340.) Produces large fragrant clusters continuously throughout the season. Opens a bright red turning to shell pink. (Each \$1.50) (3 at \$1.30 each).

CHATTER. (Pat. No. 739.) Unusually bright crimson, generous flower clusters, continuously in bloom. Velvety firm petals. (Each \$1.50) (3 at \$1.30 each).

FASHION. (Pat. No. 789.) Coral-pink overlaid with gold. Large blooms on vigorous bushy plants. Well formed Hybrid Tea shape and true rose fragrance. (Each \$2.00) (3 at \$1.75 each).

GOLDLOCKS. (Pat. No. 672.) A heavy blooming yellow floribunda. Buds are ovoid in shape, very much like hybrid teas, opening to a true golden yellow bloom. Glossy dark green foliage. Fine for the border, bed or specimen planting. (Each \$1.75) (3 at \$1.55 each).

JIMINY CRICKET. (Pat. applied for.) Coral orange shading to pink. Vigorous with glossy green foliage. (Each \$2.00) (3 at \$1.75 each).

DIAMOND JUBILEE. (Pat. No. 824.) Honeycomb yellow or buff-orange with a touch of orange-yellow at base of petals. Large, beautiful, high-centered, and long lasting blossoms. Free bloomer, hardy. (Each \$2.00) (3 at \$1.75 each).

HEART'S DESIRE. (Pat. No. 501.) Well formed buds that open to large blooms of pure luminous red. They hold their shape and color until the last petal falls. Does not burn in hottest weather. Vigorous grower and prolific bloomer. Very fragrant. (Each \$1.75) (3 at \$1.55 each).

HELEN TRAUBEL. (Pat. No. 1028.) The color varies with the weather, sometimes a light sparkling pink but more often a glowing apricot. Unusually large and long buds that are magnificent. A wonderful display of color when fully open. Very vigorous grower. A.A.R.S. Award for 1952. (Each \$2.50) (3 at \$2.20 each).

LOWELL THOMAS. (Pat. No. 595.) Large, long pointed buds. Flowers large and very double. Lasting canary yellow. Strong stems. Vigorous bushy plants. Intermittent bloomer. (Each \$2.00) (3 at \$1.75 each).

MOJAVE. (Pat. No. 1176.) Glowing apricot-orange. Slender buds and double flowers borne single on long straight stems. Upright and vigorous. (Each \$2.75) (3 at \$2.50 each).

SHOW GIRL. (Pat. No. 646.) Long, pointed buds opening to large, fragrant, deep pink flowers. Long stems and a good grower. (Each \$2.00) (3 at \$1.75 each).



HELEN TRAUBEL

SUTTERS GOLD. (Pat. No. 885.) Beautiful, long pointed, yellow bud, richly shaded with orange and red. Rich tea fragrance. High centered richly colored blooms. A.A.R.S. award for 1950. (Each \$2.25) (3 at \$2.00 each).

TIFFANY. (Pat. applied for.) Long pointed buds with golden yellow shading at base, open to beautiful phlox pink flowers, golden yellow at base. Upright, vigorous with dark green foliage. Noted for fine fragrance and length of stem and bud. (Each \$3.00) (3 at \$2.75 each).

WILL ROGERS. (Pat. No. 256.) Dark velvety maroon, very fragrant, double. Strong, vigorous plants with dark green foliage. Good cut flowers. (Each \$1.50) (3 at \$1.30 each).

GRANDIFLORA ROSES

CARROUSEL. (Pat. No. 1006.) Dark red, semi-double flowers. Fragrant and a profuse bloomer. Glossy leathery foliage. (Each \$2.00) (3 at \$1.75 each).

QUEEN ELIZABETH. (Pat. applied for.) Blends of soft carmine rose and dawn pink. Tall upright and exceptionally vigorous. (Each \$3.00) (3 at \$2.75 each).

LILIBET. (Pat. No. 1209.) Large clusters of double, clear rose pink blooms, fragrant. Hardy bushy plants. (Each \$2.00) (3 at \$1.75 each).

MA PERKINS. (Pat. No. 1143.) Sparkling coral-shell-pink. Buds coral



LILIBET

with shades of red in outer petals and touch of yellow at base. (Each \$2.25) (3 at \$2.00 each).

PINOCCHIO. (Pat. No. 484.) A hardy plant producing many pointed buds of salmon-flushed gold, opening to a mass of miniature hybrid tea like roses of soft, clear pink and in large clusters. (Each \$1.50) (3 at \$1.30 each).

RED PINOCCHIO. (Pat. No. 812.) Masses of $3\frac{1}{2}$ inch flowers in clusters. Rich carmine, gradually deepens as blooms open. Does not fade. Wild rose fragrance. Vigorous, prolific bloomer. (Each \$1.50) (3 at \$1.30 each).

SUMMER SNOW. (Pat. No. 416.) Bushy plants with large clusters of clear white blooms. (Each \$1.50) (3 at \$1.30 each).

VOGUE. (Pat. No. 826.) New Floribunda with Hybrid Tea shaped flowers of perfect form, three to four inches in diameter. Dark cherry ovoid buds opening to cherry-coral open flower. Spicy fragrance. (Each \$2.25) (3 at \$2.00 each).

WORLD'S FAIR. (Pat. No. 862.) Produces large clusters of velvety blooms of fragrant blackish-scarlet with glowing mass of golden stamens. (Each \$1.50) (3 at \$1.30 each).

HEDGE PLANTS

MULTIFLORA ROSE

Rose Multiflora Japonica. A hedge plant that has many uses. Can be used as a low growing hedge from 2 to 3 feet by keeping it trimmed to the desired height. If not trimmed it will reach a height of 6 to 8 ft. and spread almost as wide. Has white flowers in June followed by fruits that are liked by the birds. A good one for erosion control and wildlife refuge. Has thorns. 12 to 18 inch plants.

(100 plants, \$9.50) (50 at 100 rate) (25 plants \$2.60)
Add postage and packing; 100, 61c; 50, 44c; 25, 34c.

PRIVET HEDGE

AMOR RIVER (L. Amurense). A very hardy northern grown type, vigorously upright and tall growing. The leaves are dark green, somewhat lustrous, tardily deciduous. Makes a strong, bold hedge with quite conspicuous bloom in erect white panicles. 18 to 24 inch plants.

(Per 100 \$23.45) (50 at 100 rate) (25 for \$6.15) Add postage and packing; per 50, 90c; per 25, 43c. Postage on 100 plants double the 50 rate.

EUROPEAN PRIVET (Vulgare). A very hardy and satisfactory variety. Heavy dark green foliage with white flowers followed by blue-black fruits. Growth is inclined to be more horizontal than some of the other varieties and fills in heavily from the ground up. Plant in single rows 9 to 10 inches apart. Plants are 12 to 18 inch, 3 cane.

(Per 100 \$26.45) (50 at 100 rate) (25 for \$6.85) Add postage and packing; per 50, 90c; per 25c, 43c. Postage on 100 plants double the 50 rate.



AMOR RIVER HEDGE

LODENSE. A low growing privet. Can be used as a low growing hedge or kept cut down to a low height for borders in flower beds or along paths. For hedging, plant 8 to 10 inches apart.

12 to 15 inch plants (10 for \$4.25) (25 for \$9.90). Add postage and packing; per 10, 29c; per 25, 43c.

CLIMBING VINES

ALL VINES ON THIS PAGE ARE POSTPAID

Vines are used for many purposes, to hide unsightly fences, as shade, some are used to help prevent erosion on banks, and of course for decorative purposes. In our list you will find a suitable vine for almost any kind of planting.

IVY

BOSTON IVY. This is the variety that clings tightly to all surfaces, whether smooth or rough. Leaves are deep glossy green, smaller than the other ivies. Does best in this area on north or east walls. 2-year-old plants.

(Each 98c) (3 for \$2.80).

ENGLISH IVY (Hedera Helix). Semi-hardy evergreen vine needs protection for outdoor growth. Does best in shady location. Can be grown indoors if desired in pots. Plants in 2½ inch pots.

(Each 49c) (3 for \$1.35).

SAINT PAULI (Improved Englemanni). Very rapid growing ivy. Beautiful fall coloring with clinging tentacles like the Boston Ivy. 2-year No. 1 plants.

(Each 89c) (3 for \$2.40).

HONEYSUCKLE

HECKROTTI. Summer King. To 15 feet. Large, fragrant, flame red trumpets, lined with gold. Producing immense clusters from early summer to frost. Blooms first year of planting. Dark bluish green foliage, free from pests and disease. Fine for covering banks. Hardy 2-year No. 1.

(Each 98c) (3 for \$2.80).

HALLIANA. Color, an intermingling of white and yellow, extremely fragrant and most satisfactory.

(Each 69c) (3 for \$1.95).

SCARLET TRUMPET HONEYSUCKLE (Lonicera Sempervirens). Trumpet shaped flowers from July to September. Slow growing, but very showy.

(Each 89c) (3 for \$2.40).

GOLD FLAME. An everblooming honeysuckle, blooming from early summer to frost. The foliage is almost evergreen. Tubular flowers with recurving petals, flame red outside and bright yellow inside. Very fragrant and perfectly hardy.

(Each 98c) (3 for \$2.80).



SILVER LACE VINE

CLEMATIS

Clematis today is the most showy and effective of all the hardy climbing vines known, so far as richness of color and elegance of form of flower is concerned. Their exceedingly rapid growth makes them very valuable for pillars and trellises, pegged down for rockwork, old trees and stumps.

LARGE FLOWERING VARIETIES. Blooms single, 4 to 5 inches diameter, petals deeply furrowed.

Jackmani. Velvety, violet-purple.

Mme. Ed. Andre. Crimson-red.

Henryi. Creamy white.

2½ inch pots.

(Each \$1.39) (3 for \$3.90).

CLEMATIS (Paniculata). Very hardy, fast growing. Profusion of small white flowers. Makes good coverage. 2 year No. 1 plants.

(Each \$1.39) (3 for \$3.90).



CLEMATIS JACKMANII

ASSORTED VINES

BITTERSWEET (Celastrus Scandens). A hardy, useful and ornamental vine. Can be planted in partial shade and thrives in common soils. Used as a cover for walls and trellises, and to stop erosion on steep banks. Yellow flowers in June, followed by bright orange and crimson fruits. 2-year-old No. 1 roots.

(Each 89c) (3 for \$2.40).

SILVER LACE VINE (Polygonum Auberti). A rapid climber averaging 20 feet in a season, with fresh green foliage, lightly bronzed at the tips and a profusion of silvery, lacy flowers in erect sprays; most beautiful. 2-year-old No. 1 roots.

(Each \$1.10) (3 for \$2.95).

TRUMPET VINE (Bignonia radicans). A splendid hardy climbing plant, with large, trumpet-shaped, scarlet flowers in August. Two-year-old No. 1 plants.

(Each 89c) (3 for \$2.40).

ORNAMENTAL SHRUBS

"L" denotes shrubs 12 to 15 feet.
"L" denotes shrubs 8 to 12 feet.

"D" denotes shrubs 2 to 3 feet.

"M" denotes shrubs 6 to 8 feet.

"S" denotes shrubs 3 to 6 feet.

ARALIA

ARALIA. (Five Leaf). Tall upright growing shrub, 6 to 8 feet. Branches mostly straight covered with short sharp spines. Leaves dark green with five on each small branch or twig. Makes a dense growth from the ground to the top of the plant. A fine shrub that can be planted in most any location suitable for its height, as background, border or specimen plant. Perfectly hardy and will grow in any good soil. 2 to 3 foot plants. (Ea. \$1.29) (3 for \$3.49)
Add postage and packing: (Each 23c) (3 for 39c).

BARBERRY

JAPANESE (Berberis Thunbergii) (D). A very popular low hedge plant of great hardiness; flowers followed by bright red berries that remain on plant until February. Foliage small dark green, turning to brilliant colors in fall. Effective for use in edging shrubbery or in masses. 2 to 2½ ft. size. (Each 79c) (3 for \$2.20).
(Add postage and packing: (Each 23c) (3 for 39c).

NEW RED-LEAVED JAPANESE BARBERRY (D). Similar in all respects to the green-leaved, but the foliage is of rich, lustrous bronzy red. It should be planted in a sunny exposure to bring out and retain its full red color.

Transplants 15-18 in. (Each 98c) (3 for \$2.70). Transplants 2 to 2½ feet (Each \$1.49) (3 for \$3.90).
Add postage and packing: (Each 29c) (3 for 44c).

BEAUTY BUSH

BEAUTY BUSH (Kowlkwitzia Amabilis) (S). A graceful shrub with arching branches. Pink honeysuckle shaped flowers in May. Very hardy. Bushy plants. 2 to 3 feet.
(Each \$1.49) (3 for \$4.10).
Add postage and packing: (Each 29c) (3 for 39c).

BLUE SPIREA

CARYOPTERIS (Blue Mist) (D). A low growing shrub blooming from August to frost, with many clusters of powdery blue, fringed flowers. Silvery green foliage, slightly toothed leaves. Hardy No. 1 plants.
(Each 98c) (3 for \$2.70).
Add postage and packing: (Each 23c) (3 for 39c).

BUTTERFLY BUSH

BUTTERFLY BUSH (Buddleia) (S). A very beautiful shrub, with long graceful stems terminating in tapering panicles of rich colored flowers. Although hardy, it will freeze down in Colorado and it is best to cover the roots with leaves or manure to insure a heavier growth the next season. They will bloom from June until frost.

Burgundy. A dark red Buddleia with blood red eye shading lighter to edge of petals.

Dubonnet. New dark wine flowers on large, firm spikes.

Empire Blue. (Pat. No. 557). A beautiful shade of blue, being an Aster-blue with a delicate tone. Almost a Royal Blue.

Royal Red (Pat. No. 556). A new variety producing an abundance of round sprays 18 to 24 inches long. Rich dark purple, showing almost red when displayed under artificial light. Grow 4 to 6 feet tall with deep leathery green foliage.

Your choice of above: (Each 75c).
Add postage and packing: (Each 29c).

For each additional plant ordered add 6c postage.



BUDDLEIA, BURGUNDY

COTONEASTER

COTONEASTER (Acutifolia) (M). Growing from 6 to 8 feet in height, this perfectly hardy shrub makes an ideal foundation or full sun plant. Has graceful arching branches, colorful fall foliage and black berries that hang on well into the winter. 2 to 3 ft. shrubs. (Each 98c) (3 for \$2.70).

Add postage and packing: (Each 29c) (3 for 39c).

COTONEASTER. (Divaricata) Spreading Cotoneaster. Of spreading growth. 5 ft. in height. Foliage nearly evergreen. Pink flowers followed by red berries. A good hardy, attractive plant. 18 to 24 inch shrubs. (Each \$1.89) (3 for \$5.40).

Add postage and packing: (Each 29c) (3 for 43c).

DEUTZIA

GRACILIS. A bushy, low growing shrub covered with snowy white flowers the latter part of May. Its fountain-like habit of growth and graceful appearance make it a desirable shrub throughout the season. It does well in partial shade, along walks or for borders. Grows to about 3 feet. 15 to 18 inch plants. (Each \$1.29) (3 for \$3.49).

Add postage and packing: (Each 29c) (3 for 39c).

LEMOINE. A hybrid variety that grows to about 5 feet. Its habit of growth and appearance is a great deal like Gracilis. Blooms heavily with short dense sprays of creamy white flowers. A hardy shrub and a good one in locations where compact growth and medium height is needed.

2 to 2½ ft. plants. (Each \$1.19) (3 for \$3.35).

Add postage and packing: (Each 29c) (3 for 39c).

PRIDE OF ROCHESTER. A good one for screens and backgrounds, growing to 10 feet. Strong grower and a free bloomer. Flowers are double white and tinged with pink.

3 to 4 ft. plants. (Each \$1.49) (3 for \$4.20).

Add postage and packing: (Each 34c) (3 for 47c).

DOGWOOD

CORNUS, Alba Siberica (M). Red stemmed. Clusters of white flowers, succeeded by fall crop of white berries; stem and branches turning to blood-red in winter. 3 to 4 feet.

GOLDENTWIG, Stolonifera Lutea (M). Yellow stemmed. Clusters of white flowers, stems and branches are Yellow. 2 to 3 feet.

Either dogwood (Each \$1.29) (3 for \$3.48).

Add postage and packing: (Each 34c) (3 for 54c).

ELDER

GOLDEN ELDER (Nigra Aurea) (L). Contrasted with other shrubs, the golden yellow leaves of this European Elder give heightened effects in tone and color. Flowers white in flat-topped cymes. Grows naturally 10 to 15 feet, but can be pruned into neat, Compact bush. 2 to 3 feet. (Each \$1.39) (3 for \$3.90).

Add postage and packing: (Each 29c) (3 for 47c).

GOLDEN BELL

FORSYTHIA SPECTABILIS (M). This splendid spring flowering shrub is one of the earliest to bloom. The golden yellow flowers burst out close to the yellow stems and are followed by glossy green foliage. Branches slightly drooping. Hardy and easy to grow. 3 to 4 feet. (Each \$1.29) (3 for \$3.48).

Add postage and packing: (Each 29c) (3 for 47c).

HONEYSUCKLE

TARTARIAN LONICERA (M). The upright honeysuckle have bright and fragrant flowers, followed by showy berries that last through the early fall. Make very desirable and attractive shrubs. Very hardy. Ultimate height 6 to 8 feet. Separate colors, white, rose-pink and red. 3 to 4 feet. (Each \$1.15) (3 for \$3.19).

Add postage and packing: (Each 29c) (3 for 47c).



TARTARIAN HONEYSUCKLE

HYDRANGEA

ABOESCENS GRANDIFLORA or **HILLS OF SNOW** (S). This hardy American shrub grows 4 to 6 feet high and is one of the finest of this class of plants. The blooms are of largest size, pure snow-white and the foliage is finely finished. Blooms after all the early shrubs from June until August. 2 to 3 feet. (Each \$1.19) (3 for \$3.29).

Add postage and packing: (Each 29c) (3 for 47c).

PANICULATA GRANDIFLORA (S). A good one to follow Hills of Snow, blooming profusely when other flowers are falling in the fall. Blossoms open white, assuming rose and bronze tints on the sunny side and drooping gracefully of their own weight. 2 to 3 feet. (Each \$1.19) (3 for \$3.29).

Add postage and packing: (Each 29c) (3 for 47c).

LILACS

VILLOSA. Large panicles of violet flowers shaded a pronounced pink. Blooms in June. Very bushy. 2 to 3 feet. (Each \$1.15) (3 for \$3.19).

Add postage and packing: (Each 29c) (3 for 47c).

FRENCH LILACS. Named varieties. Hardy hybrids. Chosen for their attractive flowers of different colors and foliage. The letter (D) denotes double and the letter (S) single types of blossoms.

Charles Joly (D). Rich red. **Pres. Carnot** (D). Orchid pink. **Pres. Lincoln** (D). Bluish lilac. **Mme. Lemoline** (D). White

Ludwig Spaeth (S). Dark purple.

Choice of above: 2 to 3 ft. size. (Each \$1.89) (3 for \$5.40)

Add postage and packing: (Each 29c) (3 for 47c).

MOCK ORANGE (Philadelphus)

BOUQUET BLANC (S). A fine variety for borders or foreground, also used as a hedge. Very fragrant, double flowers three-quarters to one inch across, all along the stem. White blossoms during June in the western states. 4 to 5 feet at maturity. 18 to 24 inch plants. (Each 98c) (3 for \$2.79).

Add postage and packing: (Each 29c) (3 for 47c).

CORONARIUS (L). Blooms in May, in very graceful sprays, slightly scented. Good for tall screens. Milk white flowers, in most cases, and beautiful for cutting.

3 to 4 feet. (Each \$1.19) (3 for \$3.40).

Add postage and packing: (Each 29c) (3 for 47c).

MINNESOTA SNOWFLAKE. Pat. No. 538. A hardy variety of mock orange that winters well in cold climates. Grows to medium height. Makes a symmetrical bush covered with large double white flowers. 2 to 3 feet shrubs (Each \$1.39) (3 for \$3.79).

VIRGINIAL. (M). This variety of Mock Orange is very popular. The bush does grow moderately tall, the flowers are large, semi-double, sweetly scented.

3 to 4 feet. (Each \$1.59) (3 for \$4.29).

Add postage and packing: (Each 34c) (3 for 51c).



FRENCH LILACS

LILAC (Syringa)

CHINESE (Rothomagensis) (M). Has small, slightly pointed leaves, on slender, straight branches, reddish purple flowers are borne in loose panicles a little later than the common purple variety. Free blooming and very hardy.

3 to 4 feet. (Each \$1.19) (3 for \$3.29).

Add postage and packing: (Each 29c) (3 for 47c).

PURPLE (Syringa Vulgaris) (M). Lilac flowers which are of a delightful fragrance and borne in magnificent clusters in May.

2 to 3 feet. (Each 98c) (3 for \$2.70).

Add postage and packing: (Each 29c) (3 for 47c).



SPIREA, ANTHONY WATERER

PHYSOCARPUS

NINEBARK

OPULIFOLIUS NANA (Dwarf Ninebark). Dwarf, dense growth, beautiful foliage, white flowers in May and June followed by many small red pods. Very hardy, growing 4 to 5 feet tall.

OPULIFOLIUS AUREA. 8 to 10 ft. Hardy golden leaf variety. Single white flowers in June.

Either of above: 2 to 3 ft. size (Each 89c) (3 for \$2.40).

Add postage and packing: (Each 29c) (3 for 47c).

ROSE OF SHARON

ALTHEA (Hibiscus Syriacus) (S). One of the best known shrubs with handsome, plain and variegated foliage. Used for screens, groups and specimen planting. Large, double, rose-like flowers in bloom from August until frost. Colors red, pink, purple, blue and white.

3 to 4 feet. (Each 98c) (3 for \$2.79).

Add postage and packing: (Each 29c) (3 for 44c).

SPIREA (Bridal Wreath)

All of the Spireas bloom with a riotous extravagance which makes them quite striking. Their individual style, color and habits of growth differ so markedly that a collection of varieties will insure bloom the entire season and still avoid the monotony of repetition.

VAN HOUTTEI (Bridal Wreath). This is one of the finest ornamental shrubs in our whole collection, and much used in all good landscape work. Its branches droop with singular grace under their white burden of flowers in late spring.

3 to 4 feet. (Each 89c) (3 for \$2.55).

Add postage and packing: (Each 29c) (3 for 44c).

Hedging size, 18 to 24 inches (10 for \$4.49).

Add postage and packing: (49c).

ANTHONY WATERER (D). Beautiful dark, small foliage; dense rounded growth; and large, brilliant, rosy crimson corymbs, of long blooming habit. At its best in mid-summer. Much used for foundation plantings and low borders.

18 to 24 inches (Each \$1.19) (3 for \$3.19).

Add postage and packing: (Each 29c) (3 for 39c).

ARGUTA (Snowgarland) (S). A hardy spirea blooming a week to ten days earlier than the Van Houttei variety. When in bloom it is covered with pure white flowers. Foliage fine and feathery. Grows 4 to 5 feet tall.

2 to 3 feet. (Each 98c) (3 for \$2.79).

Add postage and packing: (Each 29c) (3 for 39c).

BILLIARDI (S). A strong grower; dull green foliage, dense panicles of bright pink flowers. Bloom during July and August and occasionally during the fall.

3 to 4 feet. (Each \$1.19) (3 for \$3.19).

Add postage and packing: (Each 29c) (3 for 44c).

FROEBELI (D). Similar to Anthony Waterer; grows a little taller; the flowers are more of a rose-pink and bloom from June until fall. On account of its purplish bronze foliage, it is extensively planted for color effect.

2 to 2½ feet. (Each 89c) (3 for \$2.59).

Add postage and packing: (Each 29c) (3 for 51c).

PRUNIFOLIA (True Bridal Wreath). A dainty shrub but hardy. Perfectly formed double white flowers along the stems. A profuse and graceful bloomer a little later than Van Houttei.

2 to 3 feet. (Each \$1.19) (3 for \$3.19).

Add postage and packing: (Each 29c) (3 for 39c).

THUNBERGI. A hardy medium height shrub, growing to 4 feet. Feathery bright green foliage on slender spreading branches. Pure white flowers about first of May.

2 to 2½ feet. (Each 98c) (3 for \$2.79).

Add postage and packing: (Each 29c) (3 for 39c).

FLOWERING SHRUBS

SUMAC (Rhus)

STAGHORN SUMAC (Typhina) (L). A large shrub or tree. Furry branches, greenish flowers in June and July. Foliage turns crimson and purple in the fall. Followed by crimson berries.

3 to 4 feet. (Each \$1.09) (3 for \$2.90).

Add postage and packing: (Each 29c (3 for 34c)).

SYMPHORICARPOS

Snowberry

RACEMOSUS (Common Snowberry). A very hardy plant that succeeds in most locations. Not particular as to soil. Attractive green leaves, not too large but heavy enough to make good screens for coverage. Pink flowers in June and July followed by pure white berries that hang on well into the winter.

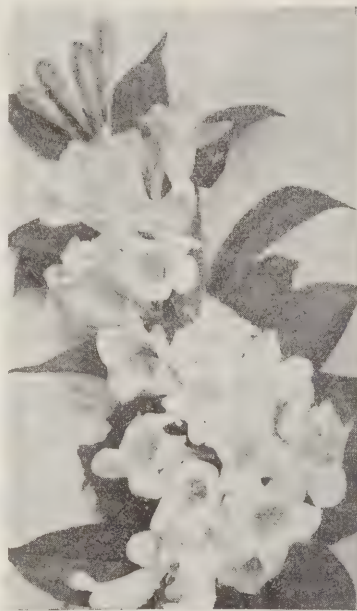
CHENAUTI (Improved Coralberry). Grows about the same height as Racemosus, but leaves are smaller and berries are a coral red. Hardy. Your choice of either of above. 2 to 3 ft. size. (Each 79c) (3 for \$2.15).

Add postage and packing: (Each 29c) (3 for 34c)).

TAMARIX

HISPIDA (Kashgar Tamarix) (L). Feathery, silvery foliage. Bright coral pink blooms during July. This variety remains in bloom longer than others and is very hardy.

3 to 4 feet. (Each 98c) (3 for \$2.75). Add postage and packing: (Each 29c) (3 for 34c)).



WEIGELA

VIBURNUM

AMERICANA. American Cranberry Bush. Grows 8 to 12 feet. Well shaped shrub with single white flowers in May. Edible, bright scarlet berries, hanging through the winter.

2 to 3 ft. shrubs (Each \$1.29) (3 for \$3.59).

Add postage and packing: (Each 34c) (3 for 51c)).

Special Offer

On Spirea listed, page 49, 5 Spirea, no two alike, your choice, \$5.10 prepaid.

OPULUS STERILIS (Snowball) (L). The old-fashioned snowball. Large, double, pure white flowers in May. A heavy bloomer.

2 to 3 feet. (Each \$1.59) (3 for \$4.49).

Add postage and packing: (Each 29c) (3 for 51c)).

WEIGELA

BRISTOL RUBY. Plant Pat. No. 492. (S). Improved Weigela Eva Rathke. Hardier and better grower. Large soft ruby eyed flowers, shading to garnet crimson.

2 to 3 ft. (Each \$1.49)

Add postage and packing: (Each 34c).

ROSEA (Pink Weigela) (S). An exceedingly pretty variety with pink flowers in May and June.

2 to 3 feet. (Each 98c) (3 for \$2.79). Add postage and packing: (Each 29c) (3 for 39c)).

SHADE AND ORNAMENTAL TREES

NOTE: (A)—Denotes trees suitable for street planting. (B)—Denotes trees suitable for lawn planting. (AB)—denotes trees suitable for either of above.

There is an ornamental deciduous tree for almost every purpose, whether for shade, for hiding objectionable sights, or for beauty, or utility. Our list comprises all those varieties which are well adapted to our western climate. You will find many interesting trees suitable for your individual tastes.

The ornamental trees cannot be sent by parcel post as they are too large. Consequently we are quoting them net prices and they will be sent to you express or freight charges collect.



AMERICAN ELM

ELM

AMERICAN (Ulmus Americana). Easily distinguished by its wide arching top, vase-like form and pendulous branchlets. Next to the oak this is the grandest and most picturesque of American trees. Yellow or brown in the fall. 6 to 8 feet.

(Each \$2.39) (3 for \$6.30).

CHINESE ELM. Extremely hardy, rapid grower and withstands severe drought conditions. Brought from northern China, it is well adapted to our western climate. 6 to 8 feet.

(Each \$1.89) (3 for \$5.25).

Chinese Elm Seedlings. Good, sturdy stock, 18 to 24 inches. (Per 100, \$5.89). Add postage and packing: (54c).

(Per 1000, express or freight \$49.40).

MOLINE ELM (A). A tall growing tree that is very fine for street and drive planting. Large leaves of a beautiful green shade. 6 to 8 feet.

(Each \$2.89).

ASH

EUROPEAN MOUNTAIN (B). Hardy tree; head dense and regular, beautiful fernlike green foliage; covered with clusters of bright red berries from August till winter. Needs fall watering.

6 to 8 feet. (Each \$3.95).

BIRCH

EUROPEAN WHITE (B). A hardy tree with smooth white bark and handsome foliage. Thrives well in most any soil. Very attractive and ornamental. To further insure their growing we handle birch trees balled and burlapped in moss.

6 to 8 foot trees. (Each \$3.29).

WHITE CLUMP BIRCH

(B) A very satisfactory and hardy tree. They have 3 or more distinct trunks that give a very attractive naturalistic effect in the yard. When young the bark is dark brown but in two or three years it turns white and stays that way winter and summer. Green foliage turns to yellow in autumn. Hardy.

4 to 5 ft. trees. (Each \$3.80).

If wanted by parcel post, add 60c.

COTTONWOOD

COTTONWOOD (Cottonless). A fast growing tree similar to the old-fashioned western type of cottonwood but does not develop seed or cotton. Easily grown. 6 to 8 feet in height.

(Each \$1.85) (10 for \$15.75).

HACKBERRY

HACKBERRY (*Celtis Occidentalis*) (A). A rapid growing and desirable shade tree of spreading growth. Leaves to 5 inches long, toothed, bright green. Orange red or dark red fruit. Very sturdy, limbs seldom broken by wind or heavy snows. 6 to 8 feet. (Each \$3.49).

HONEY LOCUST

HONEY LOCUST (*Gleditsia Triacanthos, Inermis*) (A). A thornless Honey Locust that is very hardy and will do in most any kind of soil. Not affected by borers or drought. Fragrant yellow flowers the latter part of May, followed by long twisted seed pods to 1½ feet long. 5 to 6 feet. (Each \$3.89).

LINDEN

AMERICAN (*Tilia Americana*) (AB). This tall, stately tree with its large shining leaves makes an ideal street tree. Sweetly scented yellowish-green flowers in July. 5 to 6 feet. (Each \$2.89).



NORWAY MAPLE

WEeping DECIDUOUS TREES

CUT-LEAVED WEeping BIRCH (B). One of the most elegant of all weeping trees. Its tall, slender, yet vigorous growth, with graceful drooping habit, silvery white bark and delicate cut-leaved foliage make it one of the most attractive trees. It is especially ornamental. 6 to 8 ft. (Ea. \$4.90)

WEeping WILLOW (*Niobe*) (B). A handsome tree, slender leaves, green above, silver beneath. The twigs and bark tinged dark red. 6 to 8 feet. (Each \$2.39) (3 for \$6.45).

FLOWERING TREES

CRAB (Flowering Malus)

BECHTEL'S (Double) (T). Makes a well formed medium sized tree, perfectly hardy. Beautiful double, delicate pink blooms. Fragrant.

4 to 5 feet. (Each \$2.89). Add postage and packing, each 49c.

DOLGA—See Crap Apples next page.

HOPA (Red Flowering Crab) (T). Of upright growth and very attractive foliage. It grows a little taller than the Bechtel's. Covered with cerise red colored flowers during April. Edible fruit, red inside and out and very good for making jellies. If not picked fruit will hang on until late autumn. Very hardy and free from disease. Grows 15 to 18 ft. tall. 5 to 6 feet size: (Each \$2.49) (3 for \$6.90).

MAPLE

NORWAY (*Platanoides*) (A). A hardy tree, of symmetrical but spreading growth, often 40 feet in height. Roots deeply, allowing grass to grow close to the trunk. Fine for park or street planting.

6 to 8 feet. (Each \$4.89).

SCHWEDLER'S MAPLE (AB). The beautiful leaves attract attention at all seasons but are especially fine in spring when their gleaming red and purple contrast brightly with the delicate green of other trees. In midsummer they are purplish green, in autumn golden yellow.

6 to 8 feet, branched. (Each \$5.90).

SOFT OR SILVER MAPLE (A). A hardy, rapid growing native tree of large size. Valuable for producing a quick shade. Excellent for street planting.

6 to 8 feet. (Each \$2.89).

SUGAR OR HARD MAPLE (A). Splendid ornamental tree, very hardy, not particular as to soil. Spreading habit of growth and fairly rapid grower. Cut leaves, silvery white underneath. Foliage turns bright orange or scarlet in autumn.

6 to 8 feet branched. (Each \$4.89).

WEIR'S CUT-LEAVED MAPLE (AB). One of the best cut or dissected leaved trees. Hardy and grows rapidly.

5 to 6 foot trees. (Each \$3.19).

OAK

RED (*Quercus Rubra*) (AB). A hardy oak with beautiful foliage which turns to red in autumn. Unsurpassed for park or street planting. Best to water well in fall.

6 to 8 feet. Branched. (Each \$5.90).

POPLAR

CAROLINA (*Norway Variety*). Slightly erect habit of growth but makes good shade tree. Hardy, fast grower.

6 to 8 feet. (Each \$1.69) (3 for \$4.59).

RED BUD

CERCIS CANADENSIS. Grows 20 to 30 feet. Produces a wealth of reddish-pink flowers in early spring. Forms a broad head of glossy, heart-shaped leaves that turn pale yellow in the fall.

2 to 3 foot size. (Each \$1.29) (3 for \$3.59).

Add postage and packing: (Each 29c) (3 for 44c).

RUSSIAN OLIVE

ELAIEAGNUS AUGUSTIFOLIA (AB). A very hardy and handsome tree, growing 8 to 12 feet high. The leaves are particularly handsome, willow-like and a rich silvery white. The flowers are small, golden yellow and very fragrant, followed by silvery fruits. Also used as shrub.

18 to 24 inches, hedging size: (\$9.95 per 100) (50 at 100 rate) (10 for \$1.20).

Add postage and packing: (per 10, 34c) (per 100, 59c). 4 to 5 ft. size. (Each \$1.89) (3 for \$5.19).

WILLOWS

PUSSY WILLOWS. A small tree with upright branches. Catkins very numerous, handsome in flower; greatly esteemed by reason of extreme earliness.

3 to 4 feet. (Each \$1.09) (3 for \$2.95).

Add postage and packing: (Each 29c) (3 for 44c).

PRUNUS

(Flowering Plums)

CISTENA (M). A small tree like shrub.

The young branches are a dark purple and the leaves a lustrous crimson changing to a dark purple. Dwarf habit of growth.

TRILOBE. A hardy shrub or small tree growing 8 to 10 feet, that will do well in most any territory. Double pink flowers in May before leaves appear. Attractive green foliage, turning red in fall.

PRUNUS NEWPORT. A large shrub, habits of growth like the Cistena, but growing larger. Bronze or reddish tipped leaves, well foliated. Does very well in most locations and very hardy. Fine specimen shrub or as a hedge.

PRUNUS TOMENTOSA—Nanking Cherry. Grows 10 to 12 feet. Showy flowers and fruit of good flavor. Used for jams and jellies. Hardy.

PRICES ON PRUNUS (Ornamental Plums)

2 to 3 feet size. (Each \$2.39) (3 for \$6.75).
Postage (Each 34c) (3 for 61c).

HAWTHORN

PAUL'S SCARLET THORN. (*Oxyacantha Pauli*). A variety of English Hawthorn that is hardy for our western climate. Grows 12 to 15 feet tall, erect and well foliated. When established will produce a mass of beautiful, round, bright scarlet double flowers in June, followed by small seed pods.

4 to 5 feet size. (Each \$3.19).

Add postage and packing (Each 39c).

FLOWERING SHRUBS

FLOWERING ALMOND (M). A small spring flowering tree or shrub; blooming very early before the leaves appear. Their growth is dwarf, bushy and compact. Slender branches completely hidden by beautiful double flowers when in bloom. Pink only, on own root. 3 to 4 feet. (Each \$1.49) (3 for \$3.90).

Add postage and packing: (Each 34c) (3 for 61c).

FLOWERING QUINCE

CYDONIA JAPONICA. Very ornamental in early spring, as its bright scarlet flowers completely cover the branches before the leaves are formed. Sometimes used for hedging. 3 to 4 feet. (Each \$1.29) (3 for \$3.49).

Add postage and packing: (Each 34c) (3 for 61c).

FRUIT TREES

Directions—As soon as you receive your shipment remove the packing, sprinkle the roots and heel the bundle in moist ground. In planting, take out only a few trees or shrubs at a time and never allow them to lie exposed to the air and sun at any time. Dig the hole large enough to admit all the roots in the natural position, keeping the surface and the subsoil separate. In filling in, sift the best soil in around the roots. When most of the soil is filled in, pour in the water to wash the soil around the roots, then pile up the remainder and tread down gently with the foot. After this the tree or shrubs should have a good watering at least once a week. A mulch around the base of the tree, two or three inches thick is very beneficial.

SUMMER APPLES

- ✓ **EARLY HARVEST.** Medium to large; pale yellow, white fleshed, tender and sub-acid; ripens early during the summer. Very productive.
- ✓ **EARLY MCINTOSH.** A new early variety that does well in this area, a cross between Yellow Transparent and McIntosh. A crop of medium red fruit very similar to McIntosh in early August.
- ✓ **RED JUNE.** Early, small to medium sized. Hardy, good cooking and eating apple. Red, white flesh, juicy, subacid.
- ✓ **YELLOW TRANSPARENT.** Early to ripen; pale yellow when fully ripe, of medium size, tender and good; free-growing and fruitful. Bears in July.

AUTUMN APPLES

- ✓ **WEALTHY.** The most popular early variety known; heavy producer of medium size red apples. One of the finest early eating or cooking varieties; everyone should plant Wealthy apples. Hardy. Bears young. Ripens September.

WINTER APPLES

- ✓ **DELICIOUS, RED.** A most wonderful apple of unusually fine flavor; originated in our western country. The fruit is large, of a brilliant dark red color; juicy, crisp and melting. Heavy cropper.
- ✓ **JONATHAN.** The old standby—heavy producer, brilliant red, sweet and juicy; excellent keeper.
We list apple trees in two sizes, 9/16 and 11/16, which denotes the caliper or size of the tree trunk a few inches above the ground. Their height is approximately 4 to 5 ft. but the 11/16 shows heavier growth.

PRICES OF APPLES (All Varieties Except Quintuplet)			Add postage and packing
9/16 caliper			
1 tree	-----	\$1.29	.29
3 trees	-----	3.59	.44
11/16 caliper			
1 tree	-----	\$1.59	.29
3 trees	-----	4.29	.49

PLUMS

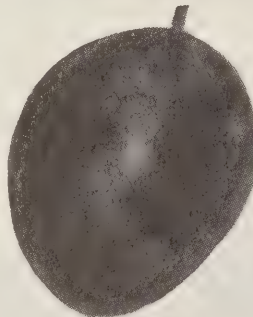
- ✓ **BLUE DAMSON.** An old favorite and well known. Fine for preserves. Hardy, heavy bearer. Free stone.
- ✓ **ITALIAN PRUNE.** Very well known and widely planted. Oblong shape, almost black skin and yellowish-green flesh. Freestone.
- ✓ **LOMBARD.** Medium size, red plum. Good sweet flavor for table use or canning. Bears soon after planting.
- ✓ **STANLEY PRUNE.** A dark blue-skin, green fleshed plum. Sweet and delightful flavor. Flesh turns to reddish tint when ripe. Good for eating fresh or canning. Free stone.
- ✓ **SUPERIOR.** Large, red fruit and very hardy. Has been tried and proven very successful in Colorado. A good plum for both canning and eating fresh. Ripens latter part of August. Fine pollinizer for other plums.
- ✓ **UNDERWOOD.** Large red fruit, very small pit, hardy and fine flavor. Ripening late July. Freestone.
- ✓ ***WANETA.** This wonderful large plum of Professor Hansen's production is the most delicious of all plums. It is hardy and very prolific, fruit of largest size, deep red color and a delicious flavor. *On native roots.

PRICES ON PLUM TREES

All plum trees listed are 11/16 caliper size and approximately 4 to 5 ft. tall.

11/16 caliper	Add postage and packing	
1 tree	.....\$1.89	.29
3 trees	....5.20	.49

PLUMS AND CHERRIES



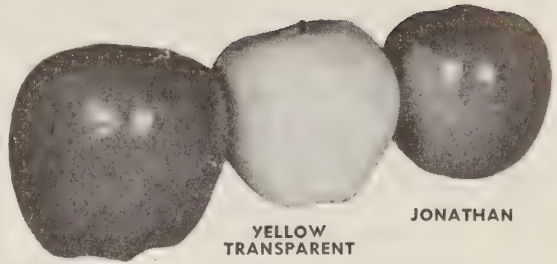
MONTMORENCY

CHERRIES

More satisfaction can be had from Cherry trees than any other tree. They are a beautiful sight from blossom to fruit and very seldom fail to produce; every farm, garden or ranch should have cherries. They do not demand much attention.

SOUR CHERRIES

- ✓ **EARLY RICHMOND (Pie Cherry).** A reliable old standard, with bright red fruit of medium size, very productive. Trees bear early and are the first cherries of the season about the latter part of June. Very hardy.



DELICIOUS

YELLOW
TRANSPARENT

JONATHAN

JONATHAN

- ✓ **MCINTOSH BLACK MICKY.** An old reliable that does well in our western climate. Good keeper, large and hardy.
- ✓ **NORTHERN SPY, RED.** A large, hardy variety and a good keeper. Also a good commercial apple as well as for home use. Makes good shade tree.
- ✓ **ROME BEAUTY.** Extra large; yellow with crimson cheek; juicy, bears heavily.
- ✓ **STAYMAN WINESAP.** Larger and more prolific than the old Winesap. Rich, dark red; fine grained and juicy. Well adapted to our western soils and climate.
- ✓ **YELLOW DELICIOUS.** One of the best liked yellow apples. Large, juicy fruit, fine flavor. Trees bear young. Ripens late fall.

QUINTUPLET APPLE TREES

Are apple stocks that have been grafted with 5 different varieties of apples on the same tree. You will find them as hardy as the types with a single graft of the same name. They are grafted with Yellow Transparent, Red Delicious, Red Jonathan, Wealthy, Crispin Winesap and Yellow Delicious. We are unable to tell which of the types will be on each tree, but each tree will have 5 varieties from the above list. 4 1/2 to 5 ft. size (Each \$2.98).
Add postage and packing: (Each 39c).

CRAB APPLES

- ✓ **DOLGO.** A very hardy and desirable crab apple. Trees bushy, 12 to 14 feet tall, almost free from disease. Bears an abundance of large, fiery, all red fruit, excellent for making jelly. Also, a very satisfactory ornamental tree.
- ✓ **WHITNEY.** An old favorite. Larger than most crab apples. Not as tart as desired by some, but a good all purpose fruit. Some users like it as an eating apple.

- ✓ **ENGLISH MORELLO.** Trees bear heavily and very young. Fruit is tender and slightly acid, almost black when ripe. Good for sauce, canning or cider. Fruit is large and ripens about two weeks after Montmorency.

- ✓ **LARGE MONTMORENCY.** One of the best for canning and eating fresh. Fruit is large bright red and fine flavor. Bears heavily a week to 10 days after Early Richmond. Also good for freezing.

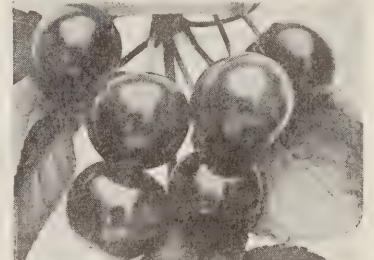
BUSH CHERRIES—See top next page.

PRICES OF SOUR CHERRIES

ALL VARIETIES

Size 11/16 in. caliper and up.	Add postage and packing	
1 tree	....\$1.95	\$.29
3 trees	....5.70	.51

SWEET CHERRY—See next page.



MONTMORENCY

SWEET CHERRIES

In planting sweet cherries, one Black Tartarian should be planted to every four or five of other varieties of sweet cherries as the former acts as pollinizer for the latter, and they will not bear successfully without the help of the Black Tartarian. All of the sweet cherries we list have the same blossoming period.

BLACK TARTARIAN. Very large, black; sweet and juicy. Bears in July.

BING. One of the largest of the sweet cherries. Deep dark red. Flesh firm and juicy. Tree is a strong grower and producer. July bearer.

LAMBERT. Large dark red, wonderful flavor. Bears later than either of above varieties.

SWEET CHERRY PRICES

Size, 11/16 in. Caliper and up,	Add postage and packing
1 tree -----	\$2.20 \$.29
3 trees -----	5.90 .49

HANSEN'S BUSH CHERRY. A very useful as well as ornamental shrub. A mass of white flowers in the early spring, followed by fruits, cherry flavored but plum shaped. Foliage quite decorative in the fall, turning to red and bronze. 3 to 4 feet (Each 85c) (3 for \$2.40). Add postage and packing: (Each 29c) (3 for 49c).

PEACHES

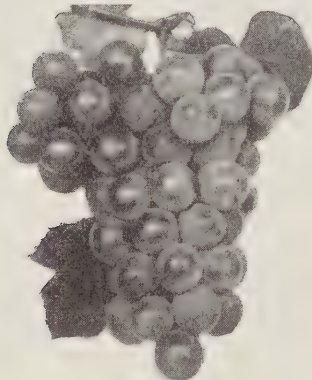
ELBERTA. Large, juicy freestone peach that adapts itself to various soils. Yellow flesh, fine flavor and a good one for canning. Ripens about mid-September.

HALEHAVEN. Hardy. Large dark yellow fruit with red meat. Ripens evenly with distinctive red blush. Wonderful as a canner.

POLLY. Hardy, white meat, yellow skin. Freestone and an early bearer. Fine flavor and good for home use or the market.

J. H. HALE. Yellow skin, overlaid with carmine. Freestone, good flavor and midseason bearer. Helps as pollinizer for other peaches, increasing yields.

HARDY GRAPEVINES



CONCORD

Everyone should plant Grapes in the home garden. Grapes are easy to grow and do well in any ordinary soil. They can be trained over frames, trellises or doorways and are ornamental as well as practical. Make your own grape juice, jam or jelly.

All grapes listed are 2 year No. 1 quality.

BETA. It is a cross between tame and wild. Hardy, prolific and fine for cooking and jelly. Color similar to Concord.

CACO. Hardy in Colorado. Fine for table use. Red skinned and sweet. Large compact bunches.

CONCORD (Black). The fine old market leader, with large, handsome clusters of big, luscious grapes. Entirely hardy, productive and reliable; succeeds well over a great extent of country.

FREDONIA. Bears a little earlier than Concord. Large bunches of blue-black fruit that cannot be excelled for canning of all sorts. Very well recommended by growers as a hardy and good producer in Colorado.

PORTLAND. A white grape that is hardy and of very good flavor. Large bunches and berries. Skin medium, few seeds and a heavy producer. One of the best whites.

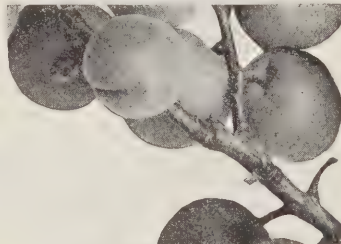
GRAPE VINE PRICES

	Each	10	25	50
Caco and Portland	\$.49	\$3.95	\$8.95	\$15.95
Other Varieties	.35	3.15	6.95	13.10
Postage and packing	.23	.34	.49	.85

APRICOT

CHINESE APRICOT. Best general purpose apricot. Well colored and ripens from outside in. Medium size, round, with red blush when ripe. Used extensively on Western Slope of Colorado and in Utah. Ripens late June to July.

MANCHU. Hardy, good grower and well foliaged. Slightly smaller than Chinese apricot. Ripens with red blush, good eating fruit.



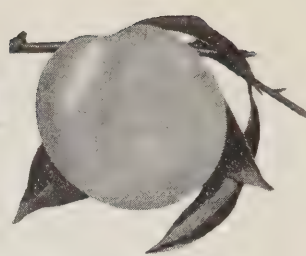
CHINESE APRICOT

PRICES ON APRICOTS

11/16 size in either of above varieties: (Each \$2.20) (3 for \$5.95). Add postage and packing: (Each 34c) (3 for 61c).



BARTLETT PEAR



ELBERTA PEACH

PEACH PRICES

Mailable only by severe pruning
Choice of varieties, 11/16 size: (Each \$1.59) (3 for \$4.49).
If shipment by mail is desired, add 29c per tree for packing and postage and 49c per 3 trees.

PEARS

DWARF BARTLETT. Same good fruit as the regular Bartlett but of dwarf growth, attaining a height of only 10 to 12 feet at maturity.

$\frac{1}{2}$ in. caliper, about 4 ft. trees: (Each \$2.59).

Postage: (Each 29c extra).

BARTLETT. Large, juicy, high flavored yellow fruit with slight blush. Bears early and abundantly.

FLEMISH BEAUTY. Large, red cheeked and beautiful, of excellent quality, hardy and productive. Very popular in the west. Ripens September and October.

PEAR PRICES

Size, 11/16 in. caliper and up: (Each \$1.79) (3 for \$4.95). Add postage and packing: (Each 29c) (3 for 49c).

MULBERRY

RUSSIAN MULBERRY (Morus Tartarica).

Very hardy type, makes good shade. Hard wood, not susceptible to insects or worms, growing 25 to 30 feet. Edible fruit to two inches long, red, white or black. Thrives in a dry sunny location. For orchard purpose plant 25 to 30 feet apart. If used for hedge or screen plant from 8 to 20 feet apart. 4 to 5 feet.

(Each \$1.49) (3 for \$4.20).

Add postage and packing: (Each 29c) (3 for 49c).

DEWBERRIES

LUCRETIA. In size and quality this low growing or trailing blackberry equals any of the upright sorts. Its berries ripen before raspberries are gone, are large, sweet, soft and luscious throughout, with no hard core. The vine is perfectly hardy, healthy and exceedingly fruitful, with large, showy blossoms. May be grown over walls, trellises or rocky slopes, where there is no room for other berries.

BLACKBERRIES

ALFRED. A variety which is very hardy and a heavy bearer. Berries are large, up to 1½ inches long, almost coreless and a wonderful flavor. Will stand below zero weather. Ripens about a week earlier than Eldorado.

ELDORADO. Of late introduction, being vigorous and hardy in most localities. The berries are large, coal black, flavor sweet and melting and have no hard core. Very firm and therefore an excellent market variety.

BLACKBERRY AND DEWBERRY PRICES

Quantity	5	10	25
All Varieties --	\$.89	\$1.59	\$3.45
Add postage and packing	.29	.39	.49

SMALL FRUIT BUSHES AND PLANTS

Small fruits are very profitable for the home and market. They are all of delicious flavor and can be used for the table in many ways. Their canes should be protected during winter by covering with dirt or straw.

PLEASE DO NOT ORDER LESS THAN 5 OF ANY ONE VARIETY of berry plants listed.

BLACK RASPBERRY

✓ **CUMBERLAND.** It is of wonderful productiveness; producing regularly and uniformly very large crops. In size the fruit is large, far surpassing any other variety. Few seeds, fine flavor. No. 1 transplants (5 for \$1.75) (10 for \$3.25).
Add postage and packing: (5 for 29c) (10 for 39c).

RED RASPBERRY

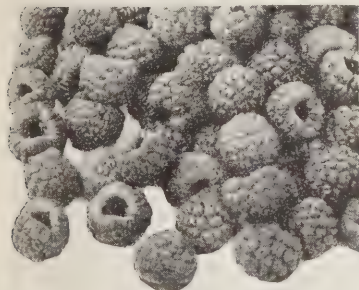
✓ **LATHAM.** This berry is the leading berry wherever raspberries can be grown. High quality, large, hardy, better shipper than many other varieties. Good color. On account of its good qualities, it is now planted more extensively than any other red raspberry.

✓ **CHIEF.** A bright red "no crumbling," good shipper, and of delicious taste. Supplements Latham by ripening ten days earlier.

EVERBEARING RASPBERRY

✓ **INDIAN SUMMER.** A superior type of raspberry that bears a beautiful red fruit of wonderful flavor. More prolific and a larger berry. Canes are large and grow rapidly, bearing early and throughout the summer.

✓ **ST. REGIS.** Good hardy everbearing raspberry. Medium size red berry. Vigorous, rapid grower. Winters well in Colorado.



LATHAM RASPBERRY

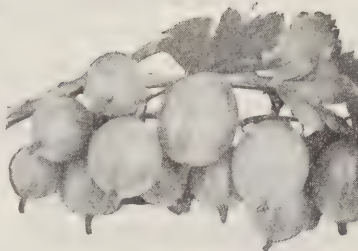
CULTURE: A good many people overlook the Strawberry, thinking the plants demand too much care, but this is not true. Strawberries will succeed in any soil that is adapted to ordinary farm or garden crops. For field culture set in rows three feet apart, 18 inches in rows; for garden, 15 inches each way, leaving pathway every third row. The ground should always be kept clean and well cultivated. In winter, a covering of leaves, straw or some kind of litter will protect the plants. Do not cover them until the ground is frozen, or so deep as to smother plants, and remove covering before growth starts in the spring. It is best to change the location of the bed about every three years.

EVERBEARING STRAWBERRIES

Everbearing plants bear the same year they are started, but if a large amount of late berries are desired, it is better to pinch the blossoms during May and June, which causes the heaviest crop to come on during September and October.

GOOSEBERRY PRICES

(2-year-old No. 1)			
	Each	10	25
Houghton	\$.49	\$4.25	\$9.95
Downing .....	.49	4.25	9.95
Add postage and packing .....	.23	.34	.44



DOWNING GOOSEBERRY

GOOSEBERRIES

(2-year, No. 1)

The Gooseberry differs little from the Currant in its requirements as to soil and general care. The plant is hardy, a vigorous grower, and free from mildew in our climate.

✓ **DOWNING.** Large pale green berry. Midseason bearer. Strong, robust plants and very hardy.

✓ **HOUGHTON.** An enormously productive and always reliable old sort. Of vigorous yet rather slender, spreading growth, not subject to mildew. Fruits of medium size, smooth, dark red, tender and good.

PRICES ON RED RASPBERRY AND EVERBEARING RASPBERRY

(2-year-old No. 1)			
Quantity	5	10	25
All Varieties ..	\$.95	\$1.79	\$3.75
Add postage and packing .....	.29	.39	.49



✓ **20TH CENTURY EVERBEARING.** The best everbearing. After 4 years in our own trial grounds we found it remarkable, both in size and yield. Produces an abundance of large dark crimson berries of excellent flavor.

Plants set out in late April will start bearing in August and continue until freezing weather.

CURRENTS

(2-year-old No. 1)

The Currant is an indispensable garden fruit for the table and is a money-maker as well. It grows and bears easily in any kind of soil with very little care, but if properly cared for it will bring greater returns in money.

✓ **CHERRY.** Medium size berries on short clusters; a robust, faithful sort.

✓ **FAY'S PROLIFIC.** As its name implies this variety is very productive, bunches and berries being very large. Excellent quality and easily picked. Very hardy.

✓ **PERFECTION.** Beautiful bright red fruit, larger than Fay, holding its size to end of branch; easy to pick; a superior bearer, less acid and of better quality than any other large currant in cultivation.

✓ **WILDER.** One of the strongest and most productive. Bunch and berries very large, attractive dark red color, and even when dead ripe they hang on bushes in fine condition for handling until very late. A valuable market variety.

CURRENT PRICES

(2-year-old No. 1)

	Each	10	25
All Varieties ..	\$.39	\$3.70	\$8.90
Add postage and packing .....	.23	.34	.44



PERFECTION CURRANTS

✓ **MINNESOTA 1166.** An excellent variety, abundant yielder. Berries large, dark red to the center. Excellent quality, bears early, continues until late in the fall.

✓ **GEM.** Has a very good flavor, dark red and firm. Fruits are large, tender and juicy. Very prolific in the production of plants which have dark green foliage. Hardy and a good commercial as well as a good home garden berry.

PRICES ON EVERBEARING STRAWBERRY

No. of plants	25	100	500	1000
Gem	\$.79	\$2.90	\$12.90	\$25.40
Minnesota 1166 ..	.89	3.20	13.90	27.40
20th Century ..	1.40	4.90	21.50	41.50
Postage and packing .....	.23	.34	.89	1.67

A GREAT ADVANCEMENT IN FARM SEED PLANTING

CONTAINS NEW CAPTAN



**BETTER
STANDS!**

**LARGER
YIELDS!**

STRONGER PLANTS

**A PRIVATE BRAND OF CHEMICALLY DISINFECTED SEED WITH
A STIMULANT ADDED — ALL DESIGNED FOR BETTER GROWTH**

The Most Economical Seed You Can Buy

Extensive tests show as high as 33 per cent more plants from **Seal-Gro-Treated Seeds** than seed not so protected. Seeds that show these results are far more economical to use because a good heavy stand means more profit to the grower.

Save Time and Money

It is impossible to treat your own seeds as economically as **Seal-Gro-Treated Seeds**. We buy the ingredients in large quantities and have the proper equipment.

Extra Planting Insurance

There are many factors that have their effect in getting good stands—farming methods, quality of seed, weather conditions, etc. However, all these can be near perfect and still have poor stands. Disease and rot organisms that attack the seed can and many times do, cause this failure. It is now possible to check these diseases with **Seal-Gro-Treated Seeds**. This is your **EXTRA PLANTING INSURANCE**.

Seal-Gro-Treated Formula Is Different

Seal-Gro-Treated protection is more than an ordinary chemical treatment. It is based on a private formula made possible by working with one of the country's leading entomologists in cooperation with California Spray Chemical Corporation, the world's largest manufacturer and formulator of agricultural chemicals.

Experiment Stations Advise Planting Properly Treated Seeds

The Colorado Station as well as others report they had greater stands of Grass, Alfalfa, Sorghums, Grains, Corn, etc., by treating properly with fungicides. All admit this is a wise practice. Be sure your seed is properly treated. Use **Seal-Gro-Treated Seeds** and be safe.

Plant Vitality Added

In addition to chemical disinfectants we have incorporated into our **Seal-Gro-Treated** formula a product which is especially designed to increase and hasten root growth. Stronger, healthier plants are the result. Greater Vitality in Plant Growth!

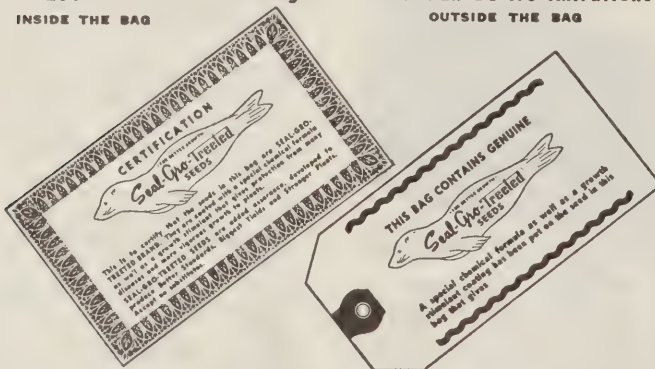
Legume Inoculation

Many wonder if legumes such as Alfalfa, Clovers, etc., can also be inoculated if the seed is already treated. **Seal-Gro-Treated** formula is compatible with inoculants. We suggest they be used in the dry form instead of wetting.

History of Seal- Gro-Treated Seeds

For many years scientists have known that seeds are attacked by certain seed killing organisms (fungi), usually when the seed starts to germinate. The disease enters into the seed through small cracks or breaks in the seed coat caused when harvested or through openings in seed where they were attached to the plant. These organisms live off the seed until the seed's life is exhausted; then the seed dies and rots. This can happen to seed that carries a high germination as well as one of inferior quality. Treating will not add new life to a dead seed; however it will definitely help to hold the vitality and give a live seed a better chance to survive. Diseases are more prevalent and active during a cold wet period after seeding (known as the dampening-off period). It is therefore doubly important to check these diseases at that time. This is exactly what is done when seeds get **Seal-Gro-Treated** protection. Many growers have treated seed to advantage; however, it is nearly impossible to do this as economically and effectively as we can in our treating plant with modern equipment. Further, **Seal-Gro-Treated** formula is different and cannot be copied. Why take chances with high priced seed when you can get **Seal-Gro-Treated** brand seeds at very little extra cost per acre? All of these things added together mean more profits to the grower who sows this protected seed. That is why ordinary seeds are more expensive to sow. At the most, the extra cost of sowing **Seal-Gro-Treated Seed** will not exceed 15 to 30 cents per acre on most crops. You will find this is the best investment you have ever made. It is not only the extra insurance you get but also the larger yields you expect to get from this protected seed. **BE WISE—TAKE NO CHANCES—ask for Seal-Gro-Treated Seeds and be sure.**

✧ Look For These Markings So There Can Be No Limitations
INSIDE THE BAG OUTSIDE THE BAG



IMPORTANT—Always indicate if you are ordering Seal-Gro-Treated Brand. If you do not specify we will send non-treated seed.

We Recommend Seal-Gro-Treated Seeds to Increase Stand and Vigor!

**CLEANED
TESTED**

ALL SEED IS TESTED BY
OUR OWN SEED ANALYST

ALFALFA

ALL SEED PASSES OVER
EFFICIENT CLEANING MACHINES

**FIELD
SEEDS**

Alfalfa is more nearly a perfect forage crop than any other crop grown in this country. No other forage crop cultivated in the United States is utilized more successfully in so many ways as alfalfa (*Medicago Sativa*). The translation of the name, which is of Arabic origin means "the best fodder." Sow in spring and fall in firm seed bed at the rate of 12 to 20 pounds per acre.

REGISTERED ALFALFA

The following varieties of alfalfa seed are registered when produced under State supervision. The registered varieties have been selected and registered on account of their hardiness.

GRIMM ALFALFA. This variety is probably the earliest and best known of the pedigreed varieties. Introduced to Minnesota years ago by Wendelin Grimm. It has proven ability to withstand drought and winter-killing and these fine qualities have been increased by continuous selection. It is a worthy variety for the intermountain area.

BALTIC ALFALFA. Seed of this hardy variety, grown in Colorado, is known as Colorado Baltic and Meeker Baltic. Introduced from Europe and propagated at Baltic, South Dakota, for a period of years, afterwards brought to Meeker, Colorado, where it has consistently withstood drought and extreme cold for many years. It produces high yields of forage.

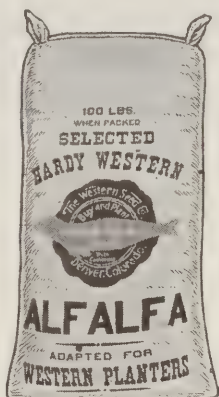
COSSACK ALFALFA was introduced by the United States Department of Agriculture into this country in 1907, from Russia. Cossack is another hardy variety with long-lived stands.

LADAK ALFALFA. A relatively new wilt-resistant variety. It is hardy and produces a heavy first cutting, recovers slowly after cutting, but again makes rapid growth. Ladak is recommended for short season areas where two cuttings would be maximum and where water for irrigation is short.

BUFFALO ALFALFA. The main advantage is its resistance to bacterial wilt. It yields about the same as other adapted varieties in new stands but out-yields those varieties when stands grow old.

RANGER ALFALFA. Is a synthetic variety developed by composing five strains. The origin of the strains was inbred lines subsequently outcrossed among other selected lines from Cossack, Turkestan, and Ladak varieties. Ranger was developed cooperatively by the Nebraska Experiment Station and the Division of Forage Crops and Diseases, U. S. D. A. It is resistant to bacterial wilt, is winter hardy and has variegated flower color with a limited number of yellow colored flowers. The most popular named variety.

STAFFORD ALFALFA—Introduced about 1931 by Clarence Stafford in the sagebrush hills along the Nebraska-Colorado line. Is claimed to be an outstanding dryland variety for sandhill conditions.



NOMAD ALFALFA. New alfalfa you can pasture and keep, too. A spreading crown type of alfalfa—has a deep seated crown area that increases in size year after year. Persists under rough grazing treatment and survives long periods of drought. Responds to irrigation. Very leafy and five-stemmed. Recommended for any range or pasture where alfalfa is desirable and a long time persistent legume is needed. Seed one or two pounds per acre with grass—four or five pounds alone. Use only Certified Seed. Write for free pamphlet.



FIELD OF NOMAD ALFALFA ROOTS OF NOMAD ALFALFA

COMMON ALFALFA

is the name applied to the purple flowered, smooth strains of alfalfa. We are usually able to supply such seed grown from Colorado, Utah, Wyoming, Montana and New Mexico; from northern latitudes, high elevations and dry lands. As a safeguard to buyers, we have adopted certain grade standards that have been scrupulously maintained for so long, they are now generally recognized as dependable. Gold Seal grades of Alfalfa seed are packed in branded bags. All seed is tested for purity and germination and tag showing the analysis is attached to each bag.

GOLD SEAL GRADE. Alfalfa seed 99.25 or better pure, good color, free of noxious weeds, is packed in 100-pound bags, branded with the Gold Seal emblem as illustrated above.

KNOWN ORIGIN

We keep a certificate of the locality where each lot of non-registered Alfalfa seed is grown.

Prices of Alfalfa seed will be given later on Farmers and Ranchers Price List at your request.



A GREAT ADVANCEMENT IN FIELD SEED PLANTING. PLANT "SEAL-GRO-TREATED SEEDS." ACTUAL TESTS HAVE PROVEN 33% MORE GERMINATION.

SEE PAGE 54

**CLEANED
TESTED**

ALL SEED IS TESTED BY
OUR OWN SEED ANALYST

Western Clovers

ALL SEED PASSES OVER
EFFICIENT CLEANING MACHINES

**FIELD
SEEDS**

Clovers, being leguminous crops, are soil builders, and are very useful for the farm or ranch. They are used for mixtures of hay and pasture as well as sown alone. The culture of Sweet Clover is practically the same as for Alfalfa. It may be sown in early spring or any time up to late fall. Sow 8 to 12 pounds per acre in a firm seed bed.

YELLOW BLOSSOM SWEET CLOVER (*Mellilotus officinalis*). Like White Blossom Sweet Clover this will grow on almost any kind of soil. It is semi-dwarf in habit, very drought-resistant, and is very desirable for forage, hay, and pasture. *Mellilotus officinalis* is a biennial.

MADRID SWEET CLOVER is an improved variety of biennial Yellow Sweet Clover, has early seedling vigor, resists fall frosts, is slightly later in maturity and produces greater yields than the Common Yellow biennial. It is particularly adapted to the Great Plains and the Corn Belt. It contains less Coumarin which is the substance that prevents blood from clotting and causes cattle that have been fed Sweet Clover Hay to bleed to death. This danger would seem to be lessened by using Madrid Sweet Clover.

ALFALFA RED CLOVER SWEET CLOVER



SHOWING ROOT DEVELOPMENT

SWEET CLOVER. Mostly *Melilotus alba* which is also known as Bokhara Clover. It is a hardy biennial plant that will grow in all climates and with little regard to the character of the soil. Withstands extreme heat and cold, is quite drought-resistant, and will tolerate alkali. This Sweet Clover has value as a forage crop and hay crop and is very efficient as a soilage crop, and should be given consideration in crop rotations.

HUBAM SWEET CLOVER (*Melilotus alba annua*) is an annual white, resembling the biennial white in appearance but making no resting buds and producing seed the season of sowing. When a catch crop is wanted, especially when the field is to be fall-plowed, it is useful.

MEDIUM RED CLOVER (*Trifolium pratense*) is sown at rate of 15 pounds per acre and may be seeded any time from April to October. Makes good hay and pasture and is adapted for planting with numerous grasses when either hay or pasture is desired. 8 to 10 lbs. per acre.

LADINO CLOVER (*Trifolium repens latum*) is a giant white variety—a perennial of the creeping type and is not badly affected by freezing and thawing. It has good carrying capacity and is therefore desirable for pasture, doing well in mixtures with tall growing grasses. The seed is small and must be planted shallow in a firm seed bed and may be sown either in the spring or fall. The growing season seems to be nine months. It is not subject to alfalfa diseases and is considered hardy up to 5,280 feet. Four to six pounds per acre is generally sufficient.

MAMMOTH RED CLOVER is especially valuable for light, sandy soil for fertilizing purposes. It grows more luxuriously than Medium Red in the same length of time but only affords one cutting. It does make excellent grazing and good hay if cut when young, but if left too long it then becomes thick and woody. Sow 8 to 10 pounds of seed to the acre.

SPECIALLY PREPARED BULLETINS on most of the clovers available free on request.

TESTED TAGGED

ALL SEED IS TESTED BY
OUR OWN SEED ANALYST

Millet, Etc.

ALL SEED PASSES OVER
EFFICIENT CLEANING MACHINES

FIELD SEEDS

The many varieties of Millets serve well for hay, forage, and growth crops. They afford a quick, luxuriant crop of hay of good feeding value without cultivation. On account of their quick luxuriant growth, they aid in checking weeds and are of value for this purpose on irrigated lands. As millets can be planted late in July, they are used extensively for emergency crops. As a smut preventive soak millet seed in formaldehyde solution for two hours, using one pint of formaldehyde to 45 gallons of water. Sow about 1/4 inch deep and in rows 12 to 16 inches apart.

HOG MILLET is the Proso or Common Millet of the old world. It is also known as Hershey, Broom Corn Millet, Manitoba and Dakota Millet. When forage or hay is desired the crop should be cut early. The seed has a slightly higher feeding value than oats and is used extensively in mixed feeds. Of the Hog Millets, Red Turghai, Early Fortune and Yellow Manitoba are the best adapted varieties.

BIG GERMAN MILLET has long heads crowded full with myriad seeds; small stems, luscious and highly palatable, clustered thick with fine narrow leaves. This is a very valuable variety for hay and forage, for general feeding, for milk production.



WHITE
WONDER
MILLET

SIBERIAN
MILLET

HOG
MILLET

SIBERIAN or RED RUSSIAN MILLET is a very fine, early, extremely hardy, drought-resistant variety. Produces big. Forage is quite palatable. Seed has high feeding value.

WHITE WONDER MILLET is early and productive. Heads are from 8 to 18 inches long. The foliage is heavy; the leaves broad but the fodder cures readily. The seed contains a low percentage of fiber, is therefore very fattening and makes good feed.

DWARF ESSEX RAPE is a forage plant of highest value. It can be sown in April for early crop and for fall crop in July, August, and September. It is used as a catch crop, also for summer pasture for hogs and cattle.

MISCELLANEOUS SEEDS

COLORADO STOCK or SAN LUIS VALLEY FIELD PEAS are valuable for their grain and straw. They provide good forage and hay and are valuable as a soilage crop. They are also excellent as a nurse crop for alfalfa. When sown for seed about 80 pounds per acre is necessary, but for hay may be sown at the rate of 100 pounds per acre and as late as July.

SAND, WINTER or HAIRY VETCH is a mighty fine crop to sow in the fall as soon as the crops have been harvested. It has also been sown in the spring. Vetch is a legume plant like alfalfa and peas. It produces hay of high protein value and is also a good soilage crop; also introduces nitrogen into the soil the same as alfalfa and clovers.

SOUTHERN BLACK-EYED PEAS resemble beans in shape, make a large vine growth and are an excellent soil improver. The peas make a most desirable and healthful table dish and are in great demand during the winter. They are also used green during the summer.

SUNFLOWERS are a good silage crop for dry land. They may be sown earlier than corn as light frosts do not injure. The silage is very palatable and has high feeding value.



RED CLOVER

STRAWBERRY CLOVER (*Trifolium fragiferum*) is a most important crop for converting seepy, alkaline soils into income-producing pasture. It is one of the pasturage plants for the conditions under which it thrives but is not a hay plant. It is a perennial and may be propagated from seed or by its creeping stems or runners. Grows very dense, spreads rapidly and tends to crowd out all other forms of vegetation. Strawberry Clover likes "wet feet." It has been found making good growth with most of the vegetative parts submerged in water. Rate of seeding varies from 2 to 6 pounds per acre.

FOR BETTER STANDS—LARGER PLANTS—BIGGER YIELDS—MORE PROFITS BUY "SEAL-GRO-TREATED SEED".

SEE PAGE 54

PRICES

Prices will be given on request on Farmers and Ranchers Price List.



SOUTHERN BLACK-EYED PEAS

Plant close in drills 4 to 5 inches apart, and rows 30 to 42 inches apart. Cultivate and handle similar to corn. Five to six pounds per acre is sown.

FLAX may be grown with good success in the West. It matures quickly and may be planted as late as the middle of June and make a matured crop. Takes very little fertility and moisture from the soil and yields 10 to 20 bushels per acre. May be used with success as a nurse crop for clovers and grasses, and is the most desirable crop to follow on native sod.

PEANUTS can be successfully grown in almost any place where corn succeeds, but thrive best on light sandy soil. The vines are valuable feed for horses, cattle, and sheep. One acre will produce from 1 to 8 tons of vines. We will be able to supply improved Large Virginias and also Spanish varieties.

Prices: (1 lb. 50c) 5 lbs. \$2.25) Post-paid.



GET EXTRA CROP INSURANCE
PLANT "SEAL-GRO-TREATED SEEDS"
SEE PAGE 54

PRICES

Prices will be given on request on Farmers and Ranchers Price List.

**TESTED
TAGGED**

SMALL GRAINS, SORGHUMS
ALL SEED IS TESTED BY
OUR OWN SEED ANALYST

**FIELD
SEEDS**
ALL SEED PASSES OVER
EFFICIENT CLEANING MACHINES

Depending on crop conditions, other varieties of small grains and Sorghums are usually available. Write for information on others you might be interested in.

PRICES WILL BE GIVEN ON REQUEST ON FARMERS AND RANCHERS PRICE LIST



SEED BARLEY

BALD or NEPAL BARLEY. An early variety that withstands drought remarkably well and oftentimes surviving when wheat fails. It has no beard and shells off its hulls the same as wheat. A very desirable crop for green feed or hay or for grain.

CLUB MARIOTT BARLEY. A six-row, rough awned, hulled, early barley; particularly adapted to Colorado non-irrigated plains section. Could be used to advantage on irrigated land with early water where one irrigation is available.

TREBI. Six-row, bearded, hulled barley with large, bluish kernels, and comparatively weak straw. The standard for irrigated sections of the state.

BEECHER BARLEY is a new semi-smooth awned barley adapted to dry land. It is stiff strawed. Has a high bushel weight and outyielded Club Mariott. Has replaced older Flynn Production.

SEED OATS

BRUNKER OATS are well adapted to dry land, being early maturing, smut and drought resisting. They are a red oat and were developed by the Akron Experiment Station. This variety suggested in place of Texas Red Rust Proof. It is the leading dry land oat.

COLORADO NO. 37 OATS. This oat is well adapted for irrigated areas of Colorado. It is a midseason white oat. It is characterized by its high yield; its straw and awnless kernels.

FULTON OATS. Generally known as a red oat, but the kernel is not as red as Kanota which it has replaced. Well adapted to dry land. It is smut resistant, stiff strawed and early enough for mountain planting.

SEED SPRING WHEAT

THATCHER WHEAT. A new beardless, hard red spring wheat that yields at the Fort Collins Station about the same as Komar. It is adapted to irrigated conditions only and may replace Komar in this area. It is rust resistant.

REWARD WHEAT is a very new, high yielding, beardless, hard, red spring wheat for the dry-lands and non-irrigated areas. It has proven satisfactory under irrigated conditions where the water supply is limited.

SEED RYE

SPRING RYE is an excellent soiler and can be produced on poor, worn out land under dry conditions where other grains would fail. It is useful as a cleaning crop for the purpose of eradicating wild oats. Makes early pasture and may be cut and cured for hay. When sown with vetch its value for pasture and hay is greatly enhanced.

WINTER or FALL RYE serves a very useful purpose for pasture and hay. May be sown in spring and summer as well as fall. When Winter Rye is sown after frost it goes into the following season before maturing, making it a biennial.

BALBOA is an improved variety, producing grain and pasture in abundance. It is claimed that milk from cows pastured on Balboa Rye will not be tainted.

SWEET SORGHUMS

ATLAS SORGO is a large, long-season forage sorghum developed at the Hays, Kansas, Experiment Station. It is quite drought resistant and produces big yields under favorable conditions. Being very leafy, it is used to a considerable extent for the production of silage in Kansas, eastern Colorado and Arkansas valley.

AMBER CANE, maturing in 80 to 100 days, is the favorite in many sections because it is the earliest. Usually slightly mixed black and red, or red and black.

IMPROVED COES SORGO is a white seeded, semi-sweet dual purpose crop. The five stemmed, leafy stalk and the seed are very palatable. Seed threshes free from the hull.

LEOTI RED CANE produces a semi-compact reddish head that droops slightly at the tip when ripe. The stalk is sweet, juicy and leafy. Matures at about the average fall frost date when planted June 1st to June 6th.

ORANGE CANE, maturing in 100 to 110 days, has higher sugar content and produces more fodder than black and red. There are two varieties in common use—Red Orange and Sourless Orange or African Millet.

RED TOP, SUMAC OR REDHEAD CANE, matures 115 to 125 days, and is very popular where good forage is required. Very leafy and sweet; has high feeding value. Seed threshes free from hull.

FREMONT CANE, a selection from Orange Sorgo, similar to Early Sumac. Matures about the same time as black amber.

GRAIN SORGHUMS

CHEYENNE SWEET STALK KAFIR is an early maturing white Kafir growing on a sweet stalk. It is a dual purpose crop providing good grain and palatable fodder.

HEGARI is a grain sorghum resembling Kafir and Atlas Sorgo. Grows 4 to 5 feet tall and matures in 120 days. Makes an excellent grain crop and fodder that is relished by stock. Seeds are chalky white. Stalks fairly sweet. Leaves broad, long and numerous.

RELIANCE. The newest development in dwarf type grain sorghums. It is a combine variety which is extra early maturing. Needs warm ground for best yields.

MILO MAIZE stalks are stout, pithy and scantily supplied with leaves. Milo make poor silage, but the grain has a high feeding value.

NORGHUM MILO. One of the new developments in Milo. It is combine type, early maturing yellow grain, considered advantageous in short growing areas. Does better in cool ground than other early varieties which need heat to produce best.

SUDAN GRASS

Sudan Grass is an annual, non-saccharine sorghum. The straw is very palatable, and under favorable conditions, two cuttings of hay may be obtained. It can be pastured to good advantage. Plant as soon as the ground is warm or at any time during the summer so long as 70 to 80 days intervene before the first expected frost.

SWEET SUDAN GRASS. An improvement over common Sudan that is rapidly finding favor with feeders and stockmen for hay, forage, and pasture. It contains more saccharine than the common type and therefore better feeding value.



ALL HYBRID CORN IS TREATED

PLANT HYBRID CORN

**TESTED
AND
TAGGED**

All Hybrid Seed Corn is treated and the bags are labeled
"Disinfected Seed. Do not use for food purposes."

The worth of Hybrid Corn has been proven to such an extent that hybrids are being planted in greater amounts each year and in many sections have supplanted and eclipsed the open-pollinated varieties. Hybrid corn produces larger yields of both grain and fodder. Their growth and maturity is uniform. They are resistant to lodging due to greater strength in both root and stalks. They are decidedly more resistant to smut and root, stalk and ear-rot diseases. Hybrids with their immense root system withstand extreme drought and intensive heat remarkably well. Hybrid corn is packed in branded bushel bags. Prices per bushel (Subject to change) f.o.b. Denver: Pride Hybrids, \$12.50; Gold Seal Hybrids, \$10.50.

PRIDE BRAND HYBRIDS



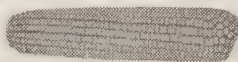
are closed formula productions developed by expert plant breeders and their value has been proven by several years of rigid tests in field trials. The entire production operation is rigidly supervised. Seed is processed, bagged and sealed by the breeder.

PRIDE B3A—(85-90 day). This early yellow hybrid averages about 5 days earlier than the B17. It has ability to start fast in cold soil and hustles right through the season. It develops good sized ears at convenient height on strong shanks of medium length. Normal height $6\frac{1}{2}$ to 7 feet.

PRIDE B17A—(90-97 day). This all-yellow hybrid Corn is 5 to 7 days earlier than Standard strains of Minnesota 13. It is recommended for the higher altitudes in northern Colorado and Wyoming and for late planting in more favored sections. Very uniform in appearance, stiff stalked with deep disease-resistant root system.

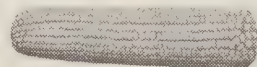
PRIDE PN-16 (93-95 day). This is the newest addition to the Pride Family. It is highly adapted to varying conditions of season, soil and moisture. Very well adapted to dryland. The stalk and root system is very resistant to disease and drought. Very few hybrids in its maturity class are equal in lodging resistance and stalk breakage. Ears are medium length and attached to the stalk at convenient height on strong, medium long shanks. The grain is unusually deep and closely packed on a small fast drying cob and has good feed value.

PRIDE B23A—(93-97 day). Closely resembles B17, matures two days later, starts and grows fast. Has dark, heavy foliage, stiff stalk, medium short shank, ears quite erect, deep roots. Normal plant height about 8 feet.



PRIDE B45-A (103-108 day). A new addition to the Pride Family. Into this hybrid has been bred a new Pride feature — "Fall-Filled." Its great golden ears swell into September dent. Its deep roots and sturdy stalks remain green and feeding until frost. After killing frost, the loose husks and small cobs permit rapid drying and safe early cribbing.

PRIDE D66—(112-116 day). This is an outstanding new full-season hybrid that is unusually fast starting in cold, wet soil. Has astonishing resistance to drouth, disease and lodging. Has a large, rugged root system and shows capability to withstand weather extremes. It has unusually wide adaptability. Ears are long on strong, medium length shanks mounted at uniform convenient height.



GOLD SEAL HYBRIDS

This corn is grown and processed for us by a Registered Colorado Pure Seed Grower from open hybrid formulas, and supervised by Colorado State authorities. Each bushel bag bears the official, registered blue tag.



WISCONSIN 416AA (95 day). For the farmer who is interested in extra silage yields at high altitude or wants a tough hybrid for grain or replanting after other crops have failed. Particularly adapted to the high plateau area east of Colorado Springs, and sections in Wyoming.

WISCONSIN 444A (100 day). Colorado's earliest maturing hybrid corn. It is about seven days earlier than Minnesota 18, and is adapted for northern Colorado irrigated land, 5,000 feet elevation, with comparatively short corn growing season. Wisconsin 464 is a popular short season Colorado grown Hybrid similar to Colorado 125.

C-15—(107 day). This is truly a fine variety. It has an abundance of dark green leaves and a showy ear borne on a sturdy stalk. It is easy to pick. In 1948, C-15 was the highest yielding early hybrid at the Fort Collins Station. The heavy yield of mature grain and desirable stalk type make this variety ideal for some of the earlier areas.

COLORADO 152 (110 day). This hybrid is widely used as a silage corn. It grows unusually tall with a fair amount of leaves and a heavy yield of grain. In the dry land sections of Eastern Colorado this variety is giving top results in the field. Colorado 152 is probably the best hybrid corn offered in the medium maturity areas of this non-irrigated section. It is not recommended as a picking corn under irrigation.

OPEN-POLLINATED CORN

WHITE AUSTRALIAN is a hard flint corn well adapted for cool climates, short seasons and dry lands. Ears are of medium size; kernels are white, smooth, shallow, rounded and flinty. 85 to 90 days.

GEHU FLINT is a yellow dwarf, flint corn growing 4 to 6 feet high. It matures in 80 to 90 days. It is not a husking corn as the ears set close to the ground, but this makes it very desirable for early hogging down. It is the earliest yellow corn and its particular use is for short seasons and dry land planting.

SQUAW CORN is a mixture of various sorts once grown by North Dakota Indians. It is often called Blue Squaw. It is early, maturing in 90 days. The ears are small; kernels are shallow, rounded, smooth and flinty; yields well. It is selected for sections where the growing season is short where grain is required.

MINNESOTA NO. 13. A high yielding, yellow dent corn—well adapted to regions of the state at elevations of 4,800 to 6,000 feet. Matures in 90 to 100 days.

COLORADO YELLOW DENT adapted to Colorado conditions for altitudes from 4,000 to 6,000 feet. This is the leading variety of yellow dent, open-pollinated corn. Matures in 90 to 100 days.

REID'S YELLOW DENT is a selected strain of the well known Reid's Corn. This variety is standard for southeastern Colorado, the Arkansas and Grand valleys. 100 to 110 days.

WHITE DENT—A corn similar to Colorado Yellow Dent except color. A variety that has been bred for early maturity and will make a better yield per acre than the Yellow Dents, especially on thin soils.

RAINBOW FLINT—An early maturing corn for dry lands and short seasons. It is a flint resembling White Australian in habit and size of kernels. The grains are variegated and highly colored. It is adapted for short seasons, dry lands, big yields. 90 days.

POP CORN

HYBRID SOUTH AMERICAN POP CORN—This new four-way or double cross hybrid is a big vigorous-growing South American Pop Corn with tremendous yields. It has stiff vigorous stalks with tremendous root systems. Prices: postpaid (1 lb. 70c) (5 lbs. \$2.75).



**PLANT
GOOD SEED**

ALL SEED IS TESTED BY
OUR OWN SEED ANALYST

BEANS

ALL SEED PASSES OVER
EFFICIENT CLEANING MACHINES

**TESTED
TAGGED**

SOYBEANS

SOYBEANS are annual legumes widely adapted to various soils and not difficult to grow, are excellent as a summer catch crop and splendid soil builders. Soybean hay is one of the best roughages, and when mixed with corn they make splendid ensilage. When harvested for seed, they should not be cut until pods are fully matured and the beans hard. They may be harvested by binder or combine. Sow 25 to 100 pounds per acre depending on the size of seed, method of seeding, use of crop, and soil conditions. Soil should be kept mellow by frequent cultivation.

FIELD BEANS

GREAT NORTHERN BEANS, also called Large White Marrowfat, White Mexican, White Kidney and Western White Wonder. Resemble the Pinto in size and shape.

PINTO or MEXICAN BEANS are the leading commercial beans of the West. Pinto Beans will grow on dry land, yielding as high as 1,100 pounds per acre.



FIELD BEANS

RANGE GRASSES of recent approval

TALL WHEATGRASS (*Agropyron Elongatum*) is a tall, coarse bunch grass that has proven itself a forage producer and in reclaiming abandoned farm lands. Livestock graze it well. Will tolerate some alkali.

RUSSIAN WILD RYE (*Elymus Juncens*) is an erect perennial bunch grass. It is better adapted for pasture than hay. Late in the season it is readily eaten by cattle with apparent relish. No other grass in the dry land areas seems to be as well suited for late grazing.

SIDE OATS GRAMA GRASS (*Bouteloua Curtipendula*) is the most widely distributed of all the gramas. Because of its leafiness it is prized as a forage plant. It is deep rooted.

BIRDSFOOT TREFOIL (*Lotus Corniculatus*). A long lived perennial legume. Its principal use seems to be in permanent pasture mixtures where it stays green and produces excellent feed during the hot summer months.

Unpriced items will be given on request on Farmers and Ranchers Price List.

**CLEANED
TESTED**

ALL SEED PASSES OVER
EFFICIENT CLEANING MACHINES

GRASSES

ALL SEED IS TESTED BY
OUR OWN SEED ANALYST

**FIELD
SEEDS**

For Hay and Pasture

Specially Prepared Bulletins on Most of the Grasses Available Free on Request.

MEADOW FESCUE, ENGLISH BLUE GRASS (*Festuca pratensis*) is one of the most used grasses for hay and for pasture. It succeeds best in cold, moist, light soils, in low valleys rich in organic matter, and does not thrive on worn, dry land. It reaches its full development the second and third years. It grows quickly after being mown. The forage, either green or dried, is much relished by cattle and is very nourishing.

ORCHARD GRASS (*Dactylis glomerata*) is a very early and valuable grass for pasture and hay and affords more than one cutting per season. However, when only one crop is cut the undergrowth is very heavy and gives splendid and rich pasture until late in the fall. It will withstand some drought and is hardy. Well suited for shady places such as orchards and groves.

REDTOP GRASS (*Agrostis alba*) is commonly used for hay, meadows, pastures and lawns. Belongs to the bent family. It grows rapidly and often thrives where Blue Grass fails. It does not compete with Blue Grass but supplements it; thriving in lime-poor and wet soils where Blue Grass is not at its best. It is useful in restraining the growth of weeds.

REED CANARY GRASS is native to the northern part of the country and is a leafy coarse species growing 2 to 8 feet tall. It tends to bunch but spreads underground by creeping branches or root stalks. It is very palatable as pasturage and as hay. Naturally it is a grass for moist or wet land on river or lake banks subject to overflow. It starts to grow early in the spring and withstands pasturing well, if not grazed too closely.

TIMOTHY (*Phleum pratense*). Timothy is the most popular grass for hay and pasture purposes in high altitudes. It is easy to sow; does not require much seed per acre; starts growing quickly. It has a high feeding value when cut at the proper time.

ALSIKE and TIMOTHY mixed make a hay crop much richer in feeding value than timothy alone. Timothy ranks high as a hay and pasture grass but its value is enhanced when alsike is mixed with it. Alsike is one of the best clovers for hay; it is fine and very leafy.

ALSIKE CLOVER (*Trifolium hybridum*) is undoubtedly the best high altitude clover for hay, being planted extensively throughout the Rocky Mountain regions at high altitude, where alfalfa winter-kills. The stems are thin, bearing a thick growth of leaves. It is a valuable forage crop sown alone or with timothy.



FOR BETTER STANDS—BIGGER YIELDS—MORE PROFIT
PER ACRE BUY "SEAL-GRO-TREATED SEED."
SEE PAGE 54



ALTA or TALL FESCUE (*Festuca Elatior*). A deeply rooted and strongly tufted perennial with stems 3 to 4 feet high, erect and smooth. Leaves are broad and flat. It was introduced from Europe about the same time as meadow fescue. Two strains are receiving most attention: Alta is a selection in Oregon from Tall; Ky. 31 is an increase in Kentucky from tall fescue. It is adapted to a variety of soils.

TALL OAT GRASS (*Arrhenatherum Elatius*) is a succulent, high yielding bunch grass. It comes on early in the spring and remains green until late autumn. An improved strain, developed in Oregon, is being crossed under the name Tulatin. Spring seeding is generally best. It has value in having high rainfall.

MORTON'S PASTURE MIXTURE for Irrigated Land—The following has been a popular formula for a well balanced permanent pasture mixture on irrigated land: Orchard Grass, 10 lbs.; Brome Grass, 10 lbs.; Meadow Fescue, 5 lbs.; Timothy, 3 lbs.; Yellow Blossom Sweet Clover, 2 lbs.

MIXTURE for Seepy Areas—Strawberry Clover, 2 lbs.; Alsike Clover, 2 lbs.; Brome Grass, 7 lbs.; Reed Canary, 5 lbs.

DRYLAND PASTURE MIXTURE. Crested Wheatgrass, 5 lbs.; Intermediate Wheat Grass, 3 lbs.; Yellow Sweet Clover, 2 lbs. Substitute Blue Grama Grass, Buffalo Grass or Western Wheatgrass for Intermediate Wheatgrass.

MIXTURE FOR ALKALINE LANDS. Experiments have shown that the following mixture gives fine results on lands infested with alkali: Yellow Sweet Clover, 6 lbs.; Slender Wheatgrass, 3 lbs.; Meadow Fescue, 6 lbs.; Brome Grass, 6 lbs.

Prices on Hay and Pasture Grasses will be given on Farmers and Ranchers Price List on request.

**CLEANED
TESTED**

ALL SEED IS TESTED BY
OUR OWN SEED ANALYST

GRASSES

ALL SEED PASSES OVER
EFFICIENT CLEANING MACHINES

**FIELD
SEEDS**

Specialty Prepared Bulletins on Most of the Grasses Available Free on Request.

CRESTED WHEATGRASS (*Agropyron cristatum*) is a long-lived perennial bunch grass, closely related botanically to Slender Wheatgrass and Western Wheatgrass. The stems are fine and leaves medium abundant. It has the ability to grow at low temperatures and starts growing earlier than most grasses; also it continues to grow later in the fall. It is well adapted to the northern Great Plains, and is suitable for hay and pasture.

CRESTED WHEATGRASS, Fairway Strain. Has finer and more leaves than the regular strain and can be used under dry land conditions as well as where more moisture is available. It will not grow as tall as the regular strain. Is often used in lawns where water is not readily available. See page 61.

INTERMEDIATE WHEATGRASS (*Agropyron inter-medium*). Has proven itself as one of the outstanding pasture and forage species in the northern and central parts of the Great Plains and Pacific northwest. It is more drought-resistant than Smooth Brome and somewhat less hardy and drought-resistant than Crested Wheatgrass. The plants begin in early spring and reach a height of 3 to 4 feet. The abundant leafy foliage is relished by all classes of livestock.

WESTERN WHEATGRASS (*Agropyron smithii*) or Bluestem, is a long-lived perennial widely adapted. Tolerant of drought and a certain amount of alkali. It grows rather slowly, requiring two to three years from time of planting for seeds to mature. Western Wheatgrass produces excellent forage for grazing and hay. It is palatable.

SLENDER WHEATGRASS (*Agropyron tenerum*) is also called Western Ryegrass and McIver's Ryegrass. It grows in tall, erect bunches which sometimes cover a space one foot in diameter. It is perennial and very resistant to drought and cold. Has ability to grow in alkali land and is very palatable and nutritious to cattle and horses. It is well adapted for planting in Colorado, Wyoming, Montana, Nebraska, the Dakotas, and Idaho.



CRESTED WHEAT GRASS

BLUE GRAMA GRASS from the plains and prairies is undoubtedly one of the most valuable forage grasses of the Great Plains and Southwest. Herbage is eaten closely by all classes of livestock either when green, when made into hay or when cured on the ground. Its chief advantages are its high palatability and high nutrient qualities, both when dry and green. Will stand extreme drought. Thrives at altitudes between 4,000 and 8,500 feet.

SAND LOVEGRASS. A vigorous, long-lived bunch grass that is easily established and makes excellent growth when seeded alone or in a mixture on sandy soils. Sow 1 to 2 lbs. per acre.



WE RECOMMEND "SEAL-GRO-TREATED SEEDS" TO INCREASE STAND AND VIGOR!

SEE PAGE 54

BUFFALO GRASS (*Buchloe dactyloides*) is a native grass of the plains and is a low-growing perennial that spreads by surface runners. It withstands trampling, severe usage and grazing better than any other native short grass. Seed has been treated to hasten germination.

BROME GRASS (*Bromus inermis*) is also known as Hungarian brome, smooth brome, awnless brome, Russian brome, and Austrian brome. It is a sod former. Roots penetrate 5 to 6 feet into the soil. This makes it possible for Brome Grass to withstand drought conditions, close grazing, and trampling to a remarkable extent. It resists severe winters and is tolerant of considerable alkali, enduring up to 1 per cent white alkali. It is usually sown in the spring on well prepared land at the rate of 10 to 20 pounds of seed per acre. The yield of hay the first year is small, good the second, and best the third.

LINCOLN BROME; ACHENBACH BROME. Kansas and Nebraska crop improvement associations are certifying superior strains of Brome Grass adapted to the warmer areas of the country. Nebraska certifies its strain as Lincoln. Uncertified seed moves into trade channels as Southern, Nebraska or Kansas Brome.

MOUNTAIN BROME GRASS (*Bromus Marginatus*) is a tall, hearty, perennial, bunch grass, one to three feet tall, its blades often reaching one foot in length. It is quite drought resistant and reproduces from seed and is highly palatable and nutritious. It is adapted to elevations 5,000 to 10,000 feet.

TALL WHEATGRASS (*Agropyron Elongatum*). A tall coarse, bunch grass. It does not produce underground stems. It is drought-resistant, later than Crested Wheatgrass and remains green well into hot summer, even in dry years.

PRICES

Prices on grasses will be given on Farmers and Ranchers Price List on request.



WESTERN WHEAT GRASS

**HAVE
A GOOD
LAWN**

LAWN GRASS SEEDS

"How to Grow a Lawn" Bulletin Mailed Free.

**SOW
GOOD
SEED**



"A GOOD LAWN REQUIRES GOOD SEED, FERTILIZER AND CARE"

KENTUCKY BLUE GRASS (Gold Seal Grade) is the most desirable grass for a beautiful lawn. The leaves are narrow and deep green in color. It forms a close turf, is slightly creeping and quite hardy. It is recommended alone or in mixtures for lawn purposes. Sow 1 lb. to 200 square feet in new lawns or 1 lb. to 300 square feet when reseeding established lawns. **Seal-Gro-Treated at no extra cost to hasten germination.**

GOLD SEAL LAWN GRASS MIXTURE is an efficient mixture of pure and clean seeds. It contains only high grade grasses suitable for the purpose of making a beautiful, durable and lasting lawn. It germinates quickly, roots deeply, withstands extreme heat. Sow 1 lb. to 200 square feet in new lawns or 1 lb. to 300 square feet when reseeding established lawns. **Seal-Gro-Treated at no extra cost to hasten germination.**

DOMESTIC RYE GRASS is a quick growing annual, which does not have root-stalks nor stolons and does not form a compact sod. It affords a quick covering and is helpful as a nurse crop to other lawn grasses.

BENT AND OTHER GRASSES

ASTORIA BENT has very pleasing green color with blades of fine texture. It produces stolons or creeping runners lightly above and heavily below the surface. It is a good grass for lawns as well as golf courses. Sow 1 lb. to 300 square feet.

HIGHLAND BENT is a type of Colonial Creeping Bent grown in the uplands of Oregon. It is very hardy, a vigorous grower and will withstand more dry weather than other strains of Bent Grasses. Sow 1 lb. to 300 square feet.

SEASIDE BENT is fine leaved, bright green in color, and creeps both below and above the ground. It requires frequent cutting, does well on golf greens.

BUFFALO GRASS FOR LAWNS—A low-growing, long-lived drought resistant perennial grass that spreads by numerous surface runners. Forms a dense sod. After lawn is established it requires very little water, making it ideal for farm lawns, parks, etc. Sow 1 lb. to 200 square feet.

MERION BLUE GRASS—The newest turf grass, an improved Kentucky Blue Grass; but is more drought resistant, can be cut closer than other grasses, very hardy with a strong root system. Seed still in short supply and while the price may seem high, 1 lb. is sufficient to cover 500 square feet. The great saving comes in the years ahead. Merion will not need annual reseeding for repair as most grasses do. Use alone, or if sowing with other perennial grasses, use at least 40% Merion, and under natural conditions you should have a solid Merion lawn in two years or less.

WHITE DUTCH CLOVER. This is a small, close growing, dwarf clover, used extensively in making lawns. It is a rapid grower of spreading habits and can be cut very close to the ground without injury to the plant. It starts regrowing at once after cutting. White Dutch Clover helps the grasses by adding nitrogen to the soil.

PERENNIAL RYE GRASS is a tufted, short-lived perennial. It does not form root-stalks or stolons and does not form a compact sod. It grows rapidly, making a quick covering and is used in lawn grass mixtures with Kentucky Blue Grass and Red Top.

CHEWINGS FESCUE is New Zealand Fescue. It has a very fine blade and is a beautiful and lasting green. It is used for fairways on sandy soils and for lawns in shady places.

RED FESCUE—Genuine Fed Fescue is creeping. It is a suitable grass for lawns and very desirable for putting greens. A beautiful dark green color. Sow 1 lb. to 150 square feet.

FAIRWAY CRESTED WHEATGRASS. This strain of turf grass is highly drought-resistant and is used extensively where rainfall is limited and artificial water is not too plentiful. Sow 1 lb. to 100 square feet.

SHADY LAWN MIXTURE (Gold Seal) a carefully blended mixture recommended for use under shade trees and on sides of the building where little or no sun is available. Sow 1 lb. to 200 square feet.

Football, baseball and playground mixtures quoted on request. Different grasses are used depending on location.

	Lb.	3 Lbs.	5 Lbs.	10 Lbs.
Gold Seal Lawn Grass	\$1.25	\$ 3.70	\$ 6.15	\$12.25
Kentucky Blue Grass	1.35	4.00	6.65	13.25
Merion Blue Grass	5.50	16.35	27.00	52.00
Domestic Rye Grass .....	.40	1.15	1.90	3.75
Perennial Rye Grass .....	.60	1.75	2.90	5.75
Red Top Grass	1.50	4.45	7.40	14.75
Poa Trivialis	1.50	4.45	7.40	14.75
Meadow Fescue .....	.75	2.20	3.65	7.25
Astoria Bent Grass	2.00	5.95	9.90	19.75
Highland Bent Grass	1.50	4.45	7.40	14.75
Seaside Bent Grass	2.50	7.45	12.40	24.75
Chewings Fescue	1.00	2.95	4.90	9.75
Creeping Red Fescue	1.00	2.95	4.90	9.75
Bermuda Grass .....	.75	2.20	3.65	7.25
White Dutch Clover	1.75	5.20	8.65	17.25
Shady Lawn Mixture	1.45	4.30	7.15	14.25
Fairway Crested Wheatgrass .....	.70	2.05	3.40	6.75
Buffalo Grass	1.50	4.45	7.40	14.75

"FAMOUS ORTHO PRODUCTS"



Insecticides and Fungicides

Prices Not Prepaid Unless Specified

"Keep Gardening Simple and Easy With Ortho—the Complete Garden and Home Line."



ARSENATE OF LEAD is an effective insecticide for leaf eating insects on tender foliage. Also for night crawlers, wireworms, etc., in lawns.
Prices: (1 lb. canister 85c) (1 lb. carton 69c) (1 lb. bag 64c) (4 lb. bag \$1.71)

ORTHO VEGETABLE DUST. A multi-purpose vegetable garden dust for control of insects and plant diseases.

Prices: (8 oz. dusters \$1.00) (1 lb. refills \$1.25)



ORTHO ROSE DUST. Contains Lindane, DDT, Ferbam, and Sulphur. The finest multi-purpose Rose and Flower Garden dust on the market.

Prices: (8 oz. dusters \$1.00) (lb. refills \$1.25)

BOTANO DELUXE. The outstanding insecticide to simplify pest control. Used on many plants from roses to tomatoes. Also controls Black Widow Spiders. A multi-purpose dust in a handy pump-duster; can also be used as a spray.

Prices: (8 oz. dusters \$1.00) (1 lb. refill \$1.25) (5 lb. refill \$4.50)



ORTHOICIDE GARDEN FUNGICIDE—Contains 50% Captan. For disease control. Roses (Black Spot), Lawns (Brown Patch) Bulbs, Seeds, Cuttings (Damp-off) Vegetables, Fruits (certain diseases) 1/2 lb. makes up to 35 gal. diluted spray. World known.

Prices: (1/2 lb. \$1.50)

ORTHO HOME ORCHARD SPRAY—A multi-purpose orchard spray. Controls many fruit insects and diseases. Economical and effective.

Prices: (1/2 lb. \$1.00) (1 lb. \$1.75) (2 1/2 lb. \$3.95)



ORTHO-KLOR CHLORDANE DUST. Contains 5% chlordane. Kills ants, grasshoppers, earwigs, lawn moths, cutworms, Japanese beetles, larvae and many other pests. Can be used as a spray.

Prices: (1 lb. 55c) (5 lbs. \$1.75)



PEST-B-GON WETTABLE. Contains 50% D.D.T. Use as a spray to control earwigs, flies, lice, ticks, thrips, beetles, plant bugs, caterpillars and certain other insects.

Prices: (1 lb. \$1.00).

ORTHO IMPROVED ISOTOX GARDEN SPRAY "M." A truly fine, new insect spray containing Lindane, D.D.D. and Malathion. Residual kill up to two weeks. For all around use.

Prices: (4 oz. \$1.00) (8 oz. \$1.85) (16 oz. \$2.95) (1/2 gal. \$10.25)



ORTHORIX. A fine year-round spray for control of summer problems such as Powdery Mildew, Black Spot, Rust and Red Spider, Mites and dormant problems such as Scab, Scale and Blight. Also an excellent soil corrective.

Prices: (4 oz. 39c) (16 oz. \$1.00) (32 oz. \$1.65) (1 gal. \$4.95) (5 gal. \$18.00)



ORTHO MALATHION "50" SPRAY. Contains 50% Malathion. For use on Evergreens, Roses, Ornamentals, Shrubs, Trees. Kills Red Spider, Aphids, Flies, Mealybugs, Scale, Clover Mites in lawn and around dwellings, out-buildings, etc.

Prices: (4 oz. \$1.00) (8 oz. \$1.85) (16 oz. \$2.95) (1/2 gal. \$10.25)



ORTHO VOLCK OIL SPRAY. A highly refined insecticide and spray carrier for use against mealybugs, scale insects, red spiders and white flies on plants.

Prices: (4 oz. 35c) (16 oz. 75c) (32 oz. \$1.35) (1 gal. \$2.95)



ORTHO-KLOR "44" SPRAY. Contains a high concentration of Chlordane. An outstanding control of ants, earwigs, lawn moths, cutworms and many other garden pests.

Prices: (4 oz. 90c) (8 oz. \$1.45) (16 oz. \$2.45) (32 oz. \$4.25)

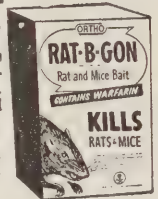


BUG-GETA PELLETS: Kills slugs, cutworms and grasshoppers. Easy to use.

Prices: (12 oz. box 40c) (2 lb. box 85c) (5 lb. box \$1.80)

RAT-B-GON RAT AND MICE BAIT. Contains Warfarin. Kills rats and mice. Economical to use. Odorless and tasteless.

Prices: (1 lb. \$1.00) (5 lbs. \$4.50)



SCRAM DOG REPELLENT. A powder in self-applier packages used to keep dogs away from shrubs, lawns, porches, etc.

Prices: (8 oz. can 59c)

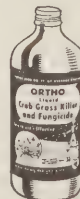
IMPROVED WEED-B-GON. A new low-volatile ester formulation containing 2,4-D and 2,4,5-T. It is for more effective control of weeds and woody plants. For control of dandelions, chick weed, plantain and certain other weeds in lawns.

Prices: (4 oz. 50c) (8 oz. \$1.00) (16 oz. \$1.50) (32 oz. \$2.75) (1 gal. \$6.75)



ORTHO LIQUID CRAB GRASS KILLER AND FUNGICIDE—An effective control for ugly crab grass in lawn and turf. Contains Phenol Mercuric Acetate. Easy to apply with Ortho Lawn and Garden Sprayer. Easy as sprinkling your lawn with the garden hose.

Prices: (8 oz. \$1.25) (16 oz. \$2.25)



"FAMOUS ORTHO PRODUCTS"

Insecticides and Fungicides

Prices not prepaid unless specified.



TRIOX. An arsenical weed killer used to sterilize the soil and kill weeds. Prevents plant growth around patios, walks, driveways, etc., under proper conditions up to two years.

Prices: (32 oz. can \$1.25) (1 gal. can \$4.00) (5 gal. drum \$14.75)

ORTHO GRASS KILLER.

Contains I.P.C. Controls annual grasses in flower beds, vegetable garden. Also controls Bermuda and Quack grass. Eliminates hoeing.

Prices (4 oz. 50c) (8 oz. \$1.00) (16 oz. \$1.50) (32 oz. \$2.75)



ORTHO FLY SPRAY

—A truly effective space-type fly spray containing Pyrethrins, Piperonyl Butoxide, Thanite and Methoxychlor. Use to kill resistant and non-resistant houseflies, ants, gnats, fleas, mosquitoes, roaches, clothes moths and many other pests. Use in and around homes, restaurants, food processing plants, etc. Can be used on dairy animals without harm.

Prices: (16 oz. 59c) (32 oz. 95c) (1 gal. \$2.60)



ORTHO-GRO LIQUID PLANT FOOD.

The wonder liquid plant food. Contains organic fish in a balanced fertilizer formulation. It is fast and all-available to the roots and foliage, giving quick plant response, a 10-5-5 formulation.

Prices: (4 oz. 35c) (16 oz. 90c) (32 oz. \$1.50) (1 gal. \$4.95) (5 gal. \$20.00)

ORTHO-GRO DRY FERTILIZER.

A 7-9-5 all organic formulation. Contains fish meal, dry blood meal, horn and fish meal.

Prices: (26 oz. \$1.25) (8 lbs. \$4.95)



ORTHO FLY KILLER DRY BAIT

—An easy-to-use meal-type dry bait containing (2%) Malathion. Use to kill resistant and non-resistant house flies. Use in dairy barns, livestock barns, stables, poultry houses, animal hospitals, dog kennels, open air theatres, garbage disposal areas, service stations, outdoor latrines, ice cream stands, restaurants, etc.

Prices: (1 lb. \$1.25) (5 lb. \$2.50)

ORTHO LAWN GROOM.

Saves time and energy. Does all 3 big jobs with one application. FEEDS the lawn, KILLS weeds, CONTROLS insects. Apply at the rate of 5 lbs. per 1000 square feet.

Prices: (5 lbs. \$1.75) (10 lbs. \$2.95) (25 lbs. \$6.25)



ORTHO SPRAYETTE.

Spray your garden the easy way. Simply add the correct amount of insecticides; fill with water; attach to garden hose and let water pressure do the work. Simple, but effective. 1½ gal. capacity.

Price: (\$2.95) (Extra bottles 35c) (Extra deflectors 30c) (Postage 15c)



ORTHO LAWN SPRAYER.

For applying your favorite liquid fertilizer. The easy, simple way to fertilize your lawn and garden. Attach to garden hose and water pressure does the work. Also used for insecticides. 15 gal. capacity.

Price: (\$3.75) (Extra bottles 60c) (Postage 15c)



SULPHUR PRODUCTS

ACME DRY LIME-SULPHUR is used as a dormant spray against scale; also summer spray for powdery mildew and mites.

Prices: (1 lb. cans 75c) (5 lb. cans \$3.10) (12½ lb. bags \$3.25)



ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur for home use which can be used as liquid spray. Controls mildew, leaf spot, black spot and rust on vegetables, flowers and ornamentals.

Prices: (2 lb. cartons 60c)

NEW EVERGREEN SPRAY is a liquid spray. This provides an easy way to kill garden insects and ants. Non-poisonous to man or animal.

Prices: (1 oz. 35c) (6 oz. \$1.15) (Quart \$4.10) (Gallons \$12.60)

TRI-GEN SPRAY gives complete protection against all plant insects and diseases, stimulates growth. Tri-ogen is a favorite product for application on roses. Put up in three kits for control of chewing insects, sucking insects and mildew.

Prices: (E Kit makes 8 qts. \$1.50) (A Kit makes 16 qts. \$2.40) (B Kit makes 64 qts. \$6.00) (C Kit makes 32 gals. \$9.00)

ACME ALL ROUND BOMB. Self sprayer package. Can be used outdoors for a wide variety of insects on flowers and plants. Indoors on house plants, such as African Violets, Begonias, English Ivy, Geranium, and others.

Prices: (10 oz. Aerosol bomb \$1.50)



ORTHO PARATHION. 25% Spray Powder of high toxicity and must be handled with great care. Acts as a contact and stomach insecticide. Controls aphids, mites, mealy bugs. Prices: (2 lb. can \$2.50) (2% dust, 50 lbs. \$6.25)

CUBOR (Rotenone Coated) DUST. Recommended for leaf-eating and sap-sucking insects. Cubor "100" contains 1% rotenone or cube root. Excellent cabbage dust. Cubor Sulphur Dust contains ¾% rotenone and sulphur. Excellent all-around dust for vegetables, ornamentals, etc. Prices: Cubor "100" (4 lb. bag \$1.10) (50 lb. bag \$11.50); Cubor Sulphur Dust (1 lb. sifter 50c) (4 lb. bag \$1.00)



BLACK LEAF 40. Nicotine Sulphate is a contact spray to kill green and wooly aphids, plant lice, red spiders, cabbage aphids, onion thrips. Is very effective for use on Sweet Peas and Roses. It is also very efficient for poultry lice control at any season of the year. Is easily applied and quite economical.

Prices: (1 oz. 39c) (5 oz. \$1.19) (1 lb. \$2.69) (2 lb. \$4.79) (5 lb. \$7.60) (10 lb. \$14.70)

KEEP GARDENS
FREE OF
INSECTS

Insecticides and Fungicides

PRICES NOT PREPAID
UNLESS SPECIFIED



ACME ROTENONE GARDEN GUARD. The killing ingredient is Rotenone. Acts as contact and stomach poison—non-injurious to humans and warm-blooded animals. Can be dusted or sprayed.

Prices: (1 lb. sifter 50c) (4 lb. bag \$1.25) (50 lb. bag \$10.00)

CHLORDANE PRODUCTS

MANCO 45%. Emulsifiable Concentrate Chlordane.

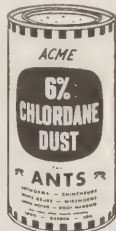
Prices (4 oz. 65c) (8 oz. 98c) (Pint \$1.50) (Quart \$2.50) (Gal. \$6.75)

MANCO BUG-GUN. 5% chlordane dust. Pump gun style.

Prices: (Garden Duster 89c)

ACME 6%. Chlordane Dust controls insects by contact, through eating and by inhalation of vapors. Excellent control of ants, grasshoppers, lawn moths and many other lawn and garden pests.

Prices: (1 lb. 60c) (4 lb. \$1.50)



ORTHO-KLOR DUST. Contains 5% Chlordane. Kills ants, grasshoppers, earwigs, lawn moths, cutworms and other pests.

Prices: (1 lb. 55c) (5 lb. \$1.75)

DDT PRODUCTS

DDT 50% SPRAY POWDER. Contains 50% DDT. Makes water suspension spray; also a base for DDT dust. Kills Colorado potato beetle, leaf hopper, onion thrip, certain insects on forest and shade trees.

Prices: (1 lb. 75c) (4 lb. \$1.70)

10% DDT DUST is finely ground in inert carrier. Convenient form for application. Controls same insects as liquid application.

Prices: (4 lb. \$1.70)



BLACK LEAF AEROSOL INSECT KILLER 11-36. DDT bomb. Kills flies, mosquitoes, ants, roaches, bed-bugs and similar household pests.

Prices: (12 oz. bomb \$1.09)

KNOX-OUT INSECT SPRAY WITH 5% DDT made by Penn. Salt Co. Kills Flies, Ants, Roaches, Mosquitoes, Carpet Beetles, Silverfish, Moths and Bed Bugs. Use as a contact or residue spray according to directions.

Prices: (pint 35c) (quart 65c)

ACME DIMITE. Is excellent for control of red spiders, 2-spotted mites, European red mite, Pacific mite and certain other mites including clover mites.

Prices: (2 oz. 69c) (8 oz. \$1.89)



ACME TOMATO DUST. An excellent all around control of early and late blight and worms that attack tomatoes.

Prices: (1 lb. 60c) (4 lb. \$1.50)

PEST EXTERMINATORS AND WEED KILLERS

Prices Not Prepaid Unless Specified

DOG REPELLENTS



DOGZOFF, a repellent that discourages dogs. Causes them to avoid flowers, lawns, trees, shrubs, fruit, property and frees lawns and gardens of unsightly dog nuisances. Harmless to animals and humans.

Prices: (3 fluid oz. 75c) (16 oz. \$2.50).

ORTHO SCRAM

(See page 62).



FLY KING. The only sanitary Fly Trap using Throwaway Jars. Has a very specific use around homes, offices, plants; or wherever flies are a nuisance. Price includes Trap and Toxin.

(Postpaid: \$1.59)

MICE AND RAT CONTROL

MOUSE SEED is a scientifically prepared mouse exterminator. It is a tiny imported seed scientifically treated in such a way that practically all the chemical is absorbed by the kernel. The mice gnaw the seed to reach the kernel, leaving the hull. Then they go outside to die.

Prices: (1 1/4 oz. box 25c) (1 lb. can \$1.50).

MANCO KILL RAT is easy to apply; economical; very little required. Rats eat it in preference to food. Contains Warfarin.

Price: (1 1/2 lb. \$1.35).

ORTHO RAT-B-GON (See page 90).

ANT CONTROL

CYANOGAS ANT KILLER is not a bait. It is different. Simply enlarge entrances of nests with long shank screw driver or pointed stick; adjust spout on can and allow a small amount of Cyanogas to flow into the enlarged hole. This immediately destroys the queen and worker ants.

Price: (4 oz. spouted can 50c) (1 lb. \$1.25).

TERRO ANT KILLER will rid your place of ants in 24 hours. It is suitable for use in the kitchen, around the ice box, and pantry. In stores, candy cases, and ice cream cabinets. In bakeries, confectioneries, around root beer stands.

Prices: (1 1/4 oz. bottle 25c) (3 oz. bottle 50c).

CHLORDANE kills ants in the nests or in lawns; around foliage; without harming foliage. The killing effect lasts for weeks.

Prices: (4 oz. bottle 90c) (8 oz. \$1.45) (1 lb. duster 6% 60c).

GOPHER and MOLE CONTROL

DEATHS TO GOPHERS for the extermination of Gophers, Prairie Dogs, Squirrels, Ground Hogs and other rodents. Ready to use tablets make the baiting a very simple problem for golf and country clubs, parks and cemeteries, farms and ranches.

Prices: (30 tablets 30c) (1 1/4 oz. bottle 75c) (3 1/8 oz. \$1.00).

DEATH TO MOLES. Use a pointed stick to make several holes in runways and drop in tablets.

Prices: (30 tables 30c) (70 tablets 50c).

WEED CONTROL

NEW IMPROVED WEEDONE contains 2,4-D and 2,4,5-T, the two most effective chemicals for killing lawn weeds. Non-poisonous to animals or humans. Does not give off vapors.

Prices: (8 oz. \$1.00) (quart \$2.75) (gallon \$6.75) (5 gallon \$24.75).



MANCO KILL-WEED. Contains 18.1% Amine 2,4-D. Kills dandelions, plantains, ragweed, poison oak, poison ivy and many other lawn weeds. Does not harm most common lawn grass.

Prices: (8 oz. 69c) (16 oz. \$1.00) (32 oz. \$1.75).

WEEDONE CONCENTRATE 48 (Ethyl ester formulation), 2,4-D acid equivalent 3 lbs. per gallon.

Prices: (1 gal. \$4.15) (5 gal. \$19.75) (30 gal. \$112.50).



WEED A BOMB—It's farewell to weeds with trigger action Weed A Bomb. Helps you weed an average lawn in 10 minutes or less—without backache or stained hands. New Weed A Bomb contains 2,4-D plus 2,4,5-T. Positively kills dandelions, ragweed, pigweed and plantain—roots and all. Prices: (12 oz. Aerosol Bomb \$1.50).

WEEDUST is a 2,4-D ethyl ester weed killer in dry powder form. An easy way to kill a few scattered weeds. Just shake directly out of can for each dandelion or plantain. Price: (12 oz. can \$1.00).

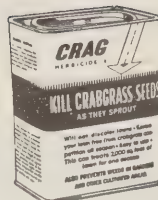
ORTHO WEED-B-GON (See page 62).

ORTHO TRIOX (See page 63).

CRAB GRASS CONTROL

NEW WEEDONE CRAB GRASS KILLER WITH MCP. A really superior product for the control of crabgrass and chickweed. The combination of PC and MCP makes this a better crabgrass and chickweed killer and also kills dandelions, plantain and other lawn weeds without killing the desirable grasses or clover. Ideal when complete renovation program to kill crabgrass and broadleaf weeds is desired.

Prices: (6½ oz. can \$1.25) (26 ozs. \$3.75) (6 lbs. \$9.70).



CRAG HERBICIDE 1. For lawn and garden. Here is a New Way To Control Crabgrass. Also prevents weeds in vegetable and flower gardens, shrubs, evergreens and hedges, driveways and walks.

Crag Herbicide 1 kills crabgrass and weeds as they sprout. Just dissolve in water and apply with a handy garden hose sprayer, sprinkling can or pressure sprayer. It's safe too—harmless to plants if it gets on the leaves. Can be used even in a rose garden. Will not discolor grass. Prices: (4 oz. can treats 400 sq. ft. of lawn for the season or 3000 sq. ft. of garden—\$1.50) (2 lb. can treats 1500 sq. ft. of lawn for the season or 12,000 sq. ft. of garden—\$4.49).

Seed Disinfectants and Fungicides

See Page 54 For Exclusive Seal-Gro Treated Process Containing New Captain
Prices Not Prepaid Unless Specified



CERESAN M—For dry or slurry application to control certain smuts and some other seed-borne diseases on wheat, oats, barley, rye, sorghum, millet and flax. Usually reduces seed decay and seedling damping-off of peas and sugar beets. ½ oz. treats one bushel.

Prices: (14 oz. \$1.60) (3 lb. \$4.45) (40 lb. \$44.95) (100 lb. \$106.60)



SEMESAN—For vegetables, flower seeds and bulbs. Generally preserves seeds against rotting in cold, wet soils; controls damping off or seedling blight. Helps promote sturdier growth, larger yields.

Prices: (4 oz. \$1.20) (12 oz. \$3.40) (25 lb. \$95.90)



ARASAN for corn, sorghums, vegetables, grasses and legumes. Dry application only. Two-way action. As a disinfectant, generally destroys many surface seed-borne organisms. As a protectant protects against seed-borne organisms.

Prices: (¾ oz. 25c) (8 oz. \$1.00) (2 lb. \$3.20) (10 lb. \$11.50)



ORTHOCIDE 75 SEED PROTECTANT. A new disinfectant used on a wide variety of seeds such as: Vegetables, Grains, Corn, Legumes and Grasses. One formulation for all seeds. Can be used dry or slurry method. Non-toxic to humans. Contains new Captain.

Prices: (1 lb. can \$2.80)

COPPER CARBONATE 50%—COPPER CARB 18%-20%—Seed treatment for bunt or stinking bunt in wheat or covered smut on hullless barley: Dust seed grain with 2 to 4 ozs. Copper Carbonate or 4 to 6 ozs. Copper Carb 18-20% per bushel. Mix in a barrel mixer so that all grains are covered with dust. Treatment can be made at any time and grain can be stored without injury.

Prices: (50%—5 lbs. \$2.75) (18-20%—5 lbs. \$1.85)

FORMALDEHYDE. Old Reliable and efficient seed disinfectant. For smut in grains; for loose smut and covered smut add 1 pint to 40 gallons of water and sprinkle on 40 bushels of grain. Cover with sacks or canvas for two to four hours. For smut in barley; for stripe and covered smut add 1 pint to 30 gallons water (not heated). Soak seed for three hours.

Prices: (1 pt. 65c) (Case, 25 1-lb. cans \$12.50)

BLUE VITRIOL or SULPHATE OF COPPER is a preventive of smut in grain. It is very effective and probably the cheap-

est fungicide in use today. One pound of Blue Vitriol dissolved in 20 gallons of water is sufficient to treat 30 bushels of wheat or barley for smut. Five pounds of Blue Vitriol and 5 pounds of lime added to 60 gallons of water is effective for celery spray.

Prices: (1 lb. 35c) (5 lbs. \$1.65) (10 lbs. \$3.00)

BORDEAUX MIXTURE. Repels leafhopper and flea beetle, also prevents blight. A good fungicide for vegetables, flowers and ornamentals, grapes and potatoes.

Prices: (1 lb. carton 60c) (4 lb. bag \$1.45)

ORTHOCIDE GARDEN FUNGICIDE—Amazingly versatile fungicide containing Captain. Controls Black Spot on roses; Rot and Damp-off on bulbs and seed cuttings; Seed Rot and Damp-off on certain vegetables; Brown Patch and other diseases on lawns; and many others. Extremely economical to use.

Prices: (8 oz. \$1.50)



Inoculate all Legume Seeds with NITRAGIN

OVER FIFTY YEARS OF SERVICE
When ordering, Always state name of seed.

ALFALFA AND CLOVERS	(AB)	Size	Retail
1 bu. ea.			\$.55
2 bu. ea.			\$.95
PEANUTS, COW PEAS (E)		Size	Retail
100 lb. size ea.			\$.50
BIRDSFOOT Trefoil—Broadleaf and Narrowleaf		Size	Retail
4 lb. ea.			\$.15
½ bu. ea.			\$.40
LESPEDEZA (L)		Size	Retail
100 lb. size ea.			\$.55
PEAS, VETCHES (All But Crown)	(C)	Size	Retail
100 lb. size ea.			\$.50
SOYBEANS (S)		Size	Retail
2 bu. ea.			\$.40
5 bu. ea.			\$.60
25 bu. ea.			2.70
BEANS (D)		Size	Retail
1 bu. ea.			\$.55
SPECIAL CULTURES—			
Give name of seed when ordering. Big Trefoil, Crown Vetch, Kudzu, Garbanzo (Chick Pea), Lima Bean, Sanfoin, Sesbania, Astragalus Sp. (Milkveitch), Leucaena glauca. Others upon request.			
1 bu. ea.			\$.18
1 bu. ea.			\$.65
GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines, Lima Beans, and Edible Soybeans.			
Enough for 8 lbs. seed			—Retail Price 15c ea.

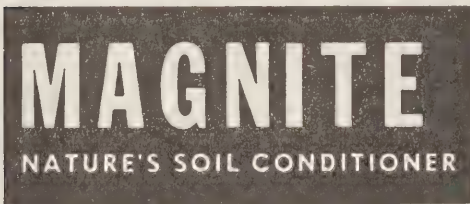
Prices not prepaid unless specified.

MIXED OR COMPLETE FERTILIZERS



SOILTONE fertilizer is a combination of chemical ammonia nitrate and organic humus from sewage disposal containing twenty-four known minerals. It is assured all the 6% available nitrogen in Soiltone will be used by plant life because it is completely surrounded by organic humus which has an affinity for rainfall and moisture and prevents leaching by wind or water. Soiltone is the ideal combination of micro-organisms or bacteria which break down the organic material and minerals in the soil while drawing nitrogen from the air. Soiltone has humus of manure plus minerals which manure does not have. One ton of dehydrated Soiltone contains the humus value of many tons of barnyard manure. 4 to 6 lbs. per 100 sq. ft.

Prices: (50 lb. \$2.90) (100 lb. \$4.95)



The wonderful new all-in-one Soil Conditioner and Plant Food. Can be applied to surface of the soil. **No digging or spading required.** Will not burn leaves or foliage. Helps produce sturdier, healthier lawns, gardens and plants. Contains all the following, in proper quantities, which are essential to plant life: Nitrogen, Phosphorus, Potash, Sulphur, Calcium, Magnesia, Iron, Copper, Zinc, Manganese, Boron, Cobalt, Molybdenum, Silica; plus 8% Organic. 1 lb. covers 50 sq. ft.

Prices: (1 lb. 49c) (5 lbs. \$1.95) (25 lbs. \$7.95) (50 lbs. \$12.95)

LAWNTEX. The new formulation that acts 4 ways in 1 application. Destroys ugly crabgrass, kills night crawlers, ants and other lawn insects, fertilizes, revitalizes. Will not injure permanent grasses. The plant food in LAWNTEX is organic. Apply with a spreader or by hand. Contains Chlordane. Use in early spring before crabgrass seed germinates or in late fall. 40 lbs. covers 800 sq. ft.

Prices: (40 lbs. \$5.10) (80 lbs. \$8.95)



(for form and color), plus Vitamin B1.

Boxes at 10c, 25c, 50c, \$1.00, \$2.00 and \$3.50.

FULTON'S PLANTABS will give an extra boost to everything that grows in the soil, whether potted plant, flower, vegetable, or ornamental. The rich formula provides 11% Nitrogen (for stems and leaves), 15% Phosphoric Acid (for roots and blooms), 20% Potash

GARDEN-GRO. A truly fine well balanced fertilizer which has been recommended by Soil Chemists of Colorado for Western soils. It is a 9-6-3 formulation with an all-organic base derived from sewage sludge. It is superior to many so-called "fast acting fertilizers" in that it also acts fast; however, it lasts throughout the complete growing season. A minimum of 2 to 4 lbs. per 100 sq. ft. is recommended for lawns, shrubs, flowers, etc.

Prices: (100 lbs. \$6.45)
(50 lbs. \$3.30) (25 lbs. \$2.10)



VIGORO. A specially prepared plant food for better lawns, flowers and gardens. It provides an economical and effective way to secure results. It is clean, odorless, easy to apply.

Prices: (Golden Vigoro — Use 1 to 3 lbs. per 100 square feet. 50 lbs. \$4.35)

(Regular Vigoro—Use 4 to 6 lbs. per 100 square feet. (1 lb. 15c) 5 lbs. 60c) (10 lbs. 99c) (25 lbs. \$1.95) (50 lbs. \$3.00)



TRIOGEN ROSE FOOD, a food for roses made from organic (long lasting) and inorganic (quickly available) materials.

Prices: (5 lb. bag \$1.00) (10 lb. bag \$1.70) (25 lb. bag \$3.50)



FERTILIZER ELEMENTS

AMMONIUM NITRATE or **NITRATE OF AMMONIA** contains 33½% nitrogen that is readily available for the plant. Alkaline soils help make it more readily available. It increases productivity and the protein content of crops. Prices: (5 lb. 75c) (10 lb. \$1.20) (50 lb. \$4.00)

SULPHATE OF AMMONIA is a valuable fertilizer for all plants in which a large leaf development or rapid growth is desired. It is a highly concentrated nitrogenous product, containing 25¼ per cent ammonia, 20¾ per cent nitrogen. Prices: (5 lb. 60c) (10 lb. \$1.05) (50 lb. \$4.90)

SUPERPHOSPHATE is a water soluble combination of phosphoric acid and lime which is formed by the action of sulphuric acid on raw phosphate rock, one of the elements required in a balanced fertilizer.

Prices: (5 lb. 65c) (10 lb. \$1.00) (80 lb. \$5.25)

BONE MEAL contains phosphoric acid and some nitrogen. A very satisfactory food for roses. Prices: (5 lb. 75c) (10 lb. \$1.35) (50 lb. \$4.80)

Plant Foods, Stimulants, Etc.

Prices not prepaid unless specified.

HYPONEX PLANT FOOD. Complete, balanced plant food. Dissolves readily and will not burn. Clean and odorless. Excellent for seedlings, cuttings and transplants. Use indoors or outdoors in soils, sand or water. 1 oz. makes 6 gals.

Prices: (1 oz. pkt. 10c) (3 oz. can 25c) (7 oz. can 50c) (1 lb. can \$1.00) (10 lb. can \$8.00)

ROOTONE. This is a root-forming stimulant when applied to cuttings, seeds, or bulbs. When seeds and bulbs are dusted with Rootone and planted, the germination is quicker and root growth is faster. Also applied to grass seeds.

Prices: (¼ oz. pkt. 25c) (2 oz. jar \$1.00) (lb. can \$5.00)

Plant Foods, Stimulants, Etc.—(Continued)

TRANSPLANTONE. Very useful when plants are moved or transplanted; helps grow new roots.

Prices: (½-oz. pkt. 25c) (3-oz. can \$1.00 (lb. can \$4.00))



SUPERTHRIVE. The original Vitamins-Hormones solution. The Billion-Proven. Life-Saver for plants. Highly concentrated. Use only one drop per gallon of water. Not a fertilizer. For use on the following: (1) Indoor Plants—To bring out more new leaf buds. (2) Outdoor Plants and (3) Bare Root Roses — To start new root and foliage, action shooting downward and upward. (4) Flowers—To get earlier, larger, more flowers — longer. (5) Seedlings — To plant them safely, and keep them growing strongly. (6) Trees — To get "Two Years' Growth in One." (7) Fruiting—For earlier, heavier bearing.

(8) Bulbs—To start them vegetating. (9) Seeds—To help during germination and get earlier vegetable crops and flowers. (10) Lawns—To root deeper, longer, turf, sooner.

Prices: (500 qt. size 39c) (500 gal. size 69c) (1000 gal. size \$1.00) (2000 gal. size \$1.39) (8000 gal size \$4.75) (16,000 gal. size \$8.50)

BLOSSOM SET. The NO-SEED Hormone. Makes tomatoes ripen weeks earlier! More, bigger, tastier, seedless. Stops blossom drop and makes blossoms set fruit. Also used on strawberries and vegetables.

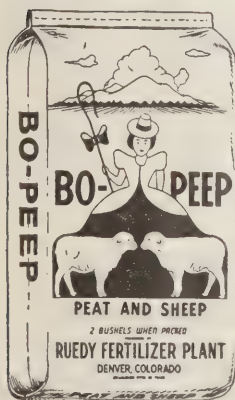
Prices: (4 oz. makes 1 gallon spray solution, 75c) (1 pt. makes 4 gallons, \$1.75)



HORTICULTURAL PEAT MOSS

For lawns, gardens, cold frames, hot beds, potting, and general planting. It is a soil conditioner, a source of humus, a means of controlling moisture, a perfect mulch. One bale will cover 100 square feet about one inch deep. Very free from dirt and not ground to a powder or dust.

Prices: (full bale \$5.25) (half bale \$3.00) (fourth bale \$1.80) (smaller sizes \$1.00; 65c)



BO-PEEP FERTILIZER, ETC. —

(1) ½ Sheep Manure and ½ Peat Moss for mulching and fertilizing. Well pulverized, effective in gardening.

(2) Pulverized Sheep Manure. Has many uses in the garden, on the lawn and around shrubs, perennials, etc.

Prices: (2 bushel bags, either of the above \$1.95)

MOON SIGN BOOK

If you believe in moon planting get the Moon Sign Book. This book gives complete instructions in the use of planetary influence on planting and harvesting. It also gives the dates and best time to plant and harvest, for setting eggs, for breeding, fishing, for personal affairs. 256 pages of practical information, published annually since 1906.

Price 1955 edition \$1.25 postpaid In U. S. A.



RA-PID-GRO. An outstanding foliage plant food. Water soluble; 23-21-17 formulation for lawn, plants, garden, trees etc. Quick results.

Prices: (2 oz. 25c) (6 oz. 50c) (8 oz. 69c) (1 lb. \$1.25) (2 lb. \$2.35) (5 lb. \$4.50) (10 lb. \$8.75) (25 lb. \$21.00)



DEWITT'S CHEM-GROW PELLETS. New water soluble plant food in convenient disposable feeder unit. Screws onto hose or sprinkler. When water in feeder unit turns clear, in 10 to 20 minutes, the feeding is finished. The first and only dispenser for proper application of water soluble fertilizer. Throw away when finished.

Prices: (For 2,500 sq. ft. \$1.39) (For 10,000 sq. ft. \$3.69)

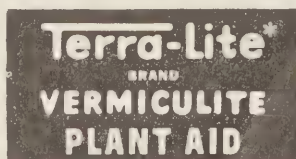
FERTOSAN COMPOST MAKER. The wonderful powder that converts garden rubbish into manure in 5 to 6 weeks. Full instructions included.

Price: (Enough to make 1 ton Compost 75c) Postpaid.



KRILIMUM. The new magic formulation that improves hard to work clay soils. Allows better drainage; easier and less frequent watering. 5 lbs. will treat 480 to 576 sq. ft. to ½ inch depth.

Prices: (1 lb. \$1.39) (5 lbs. \$4.95)

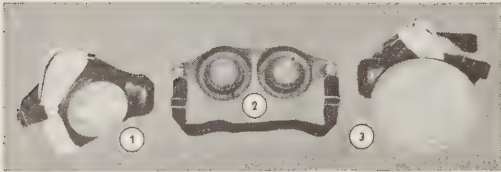


Condition Your Soil—If you're troubled by heavy, tight soil in your flower or vegetable garden, you can take immediate steps to remedy this problem quickly and easily with Terra-Lite brand Vermiculite. It's a sterile mineral material that traps air and moisture and supplies these life giving ingredients to plants as needed. For planting, mix Terra-Lite with the soil going into each planting hole.

Prices: (3¼ bushel bag \$2.35) (2 bushel bag \$1.95) (½ bushel bag 95c) (½ peck bag 45c)

Prices Not Prepaid Unless Specified

RESPIRATORS



Provide for economical protection where dust is a respiratory hazard in applying seed disinfectants, in threshing and around cleaning mills and in dusting crops.

- (1) No. 4 DUPOR. Each postpaid: \$2.00.
 (2) COVERS GAS-TIGHT FOG-PROOF RUBBER GOGGLES. Postpaid: \$2.00.
 (3) No. 46 DUPOR. Each postpaid: \$3.25.

TRANSPLANTING BANDS



VITA-BAND D contains root growth until grower chooses to let root through Band. Only quick, slight pressure is needed to crack Band. Do not remove Vita-Band "D" when transplanting. Band disintegrates in the soil permitting free growth of roots from time of transplant. Nutrient-treated with quickly available plant food.

	25	100	1000
2 by 2 by 3" -----	\$.35	\$.85	\$ 5.45
3 by 3 by 3" -----	.45	1.10	7.30
4 by 4 by 3" -----	.60	1.50	9.50



SUDBURY SOIL TEST KITS.

Test your own soil. Better results guaranteed from everything you plant. Tells what's wrong with your soil! Test for nitrogen phosphorus, potash, acidity. Prices: Home Garden Model (enough for 20 tests) \$2.98. Postage 10 c. Popular Garden Model (Makes 50 tests) \$5.98. Postage 15c.

DAIRY ASSOCIATION REMEDIES

BAG BALM for teat and udder ills, and all farm healing.

Price: (Big 10 oz. pkg. \$1.00)

TWINES

Strong, durable, can be used for general gardening purposes or in the home.

- White Cotton (16 ply) 8 oz. balls. (Postpaid, each 50c)
 White Cotton Polished (16 ply) 8 oz. balls. (Postpaid, each 60c)
 Jute (2 to 4 ply) 8 oz. balls. (Postpaid, each 40c)

GARDEN GLOVES

**NATIONAL
EEZY Wear
GARDEN GLOVES**

EEZY WEAR GARDEN GLOVES. All leather, soft, comfortable, durable, washable, dirtproof. Easy on the hands. Easy to wear. Also used as driving gloves.

Prices: (Nos. 6, 7, 8, \$1.65 pr.) (Nos. 9, 10, \$1.75 pr.)



GREEN THUMB GARDEN GLOVES. New dirt-repellent, extra long-wearing gloves. They have a green thumb. The soft chamois-colored fabric is impregnated with vinyl that keeps out dirt and assures long wear.

Prices: (Small, medium, large, 89c pair) (Men's size 98c) (Postage. Ladies' or Men's 10c)

TRAIN-ETTS

Ideal support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES. Hung in 5 minutes. Doesn't rot like string, nor burn tendrils like wire. 3 sizes —
 60-inch x 72-inch, 65¢
 60-inch x 96-inch, 85¢
 60-inch x 180-inch, \$1.25

HOTKAPS

Start your Garden Earlier this year—with HOTKAPS

Germano HOTKAPS —strong little hot-houses—protect plants from destructive frost, storms, insects.

(25 Hotkaps with Setter 95c) (Postage 20c)

(1,000 for \$18.35) (5,000 lots \$18.20 per M) (10,000 lots, \$18.05 per M) (250, with Setter, \$5.90) (100 with Setter, \$3.15) (Steel Setter, \$1.95) (Fibreboard Setter, 20c). Postage extra.

TWIST-EMS

Handy! Speedy! PLANT TIE

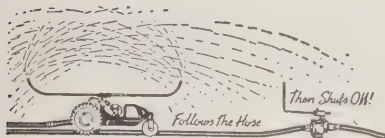
UTILITY TWIST-EMS. Used as a bunching tie by produce shippers and market gardeners.

Prices per 1,000: (7" \$1.55) (12" \$2.62) (16" \$3.50) Home Garden package (100 8" 25c) (200 4" 25c) (Spool 250' \$1.00)

Prices listed are those in effect at time of printing and are subject to whatever revision may be caused by advancing prices and government regulations.

Prices Not Prepaid Unless Specified

KEES KRAWLER SPRINKLERS



Follows the hose automatically. Start it—Forget it! day or night. The walking sprinkler does the rest. Drenches soil—deep penetration—covers evenly without waste. You'll like automatic sprinkling.

Model 100—Small and medium size lawns using 50 to 75 ft. hose. 22 lbs. **\$24.95**

Model 101—Medium to large lawns using 50 to 100 ft. hose. 28 lbs. **\$27.95**

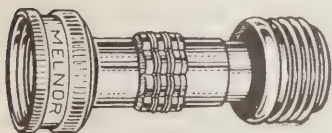
Model 102—Heavy duty for estates, parks, golf courses, etc., using 75 to 125 ft. hose. 38 lbs. **\$35.95**

Automatic Shut-off. Used with all models **\$ 5.00**

JUDSEN
 MOLDED RUBBER
 KNEE
 PADS


Soft sponge rubber cushion on inside gives positive protection against sore, aching knees. Will not slip as adjustable straps are molded into pad. Use for laying cement, flooring, scrubbing, picking crops, gardening, etc.

(Pair \$2.50 postpaid)



MELNOR'S HOSE SHUT-OFF — No more long walks to shut off faucet. Shut off water at nozzle where using hose. Push, it's on—pull, it's off—no wasted water.

Nothing to twist or turn. Ideal for use where water rationing is necessary.

Price: Postpaid (\$1.50)

FLAME SPRAYERS or WEED BURNERS. An outfit of great service and utility, burns kerosene, distillate or stove oil with a flame temperature of 2000° Fahrenheit. Uses: burning weed, brush, rubbish and trash, disinfecting poultry houses, kennels, etc.

Price: 3¼ Gal. (Postpaid \$27.99)

SEEDERS

CYCLONE SEED SOWER sows and distributes evenly seeds of clover, timothy, red top, alfalfa, oats, rye, wheat, millet, buckwheat, turnip. The label gives complete instructions. Weight, 5 pounds.

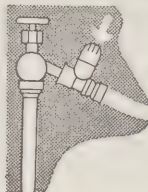
Price: (Postpaid \$4.50)

NO. 306 CORN PLANTER has a flexible and adjustable iron drop. Very simple in construction and will work in any soil. Has an iron seed box and iron channel. The foot is made of polished steel.

(Each \$4.20) (Postage 30c)

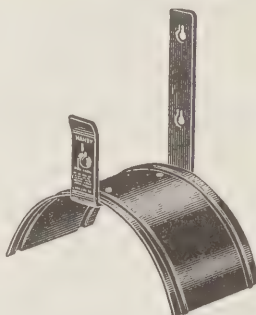
Trysal "60" Sprinkling
 TIMER

Can Save up to 30% on WATER!



Here is a practical Sprinkling Timer that shuts off water automatically at 10-20-30-40-50 or 60 minutes. Set the dial, turn on the water. Trysal "60" shuts it off, and permits efficient rain like sprinkling. It sells at \$5.95, pays for itself and...

SAVES TIME... SAVES WATER... SAVES MONEY!



HANDY HOSE HANGER.

Lengthens life of garden hose. Keeps hose in natural coiled condition. Holds 100 ft. hose. Sturdy steel baked enamel.

(Postpaid 89c)

GARDEX MIDGET TOOLS

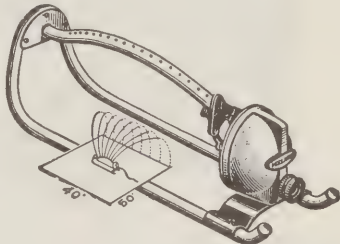
Prices Postpaid

No. 703 Midget Fork	\$.59
No. 713 Midget Cultivator .....	.59
No. 714 Midget Culti-Weeder .....	.69
No. 715 Midget Rake .....	.69
No. 721 Midget Culti-Spade .....	.69
No. 732 Midget Culti-Hoe .....	.79
No. 740 Trowel .....	.89
No. 741 Transplanting Trowel .....	.89
No. 706 Dandelion Digger .....	.69

DUREX OSCILLATING SPRINKLER.

Covers up to 2,400 sq. ft. Four-way spray control. Easily moved without shutting off water. Guaranteed 10 years.

Price: (Each \$10.95) (Postage 25c)



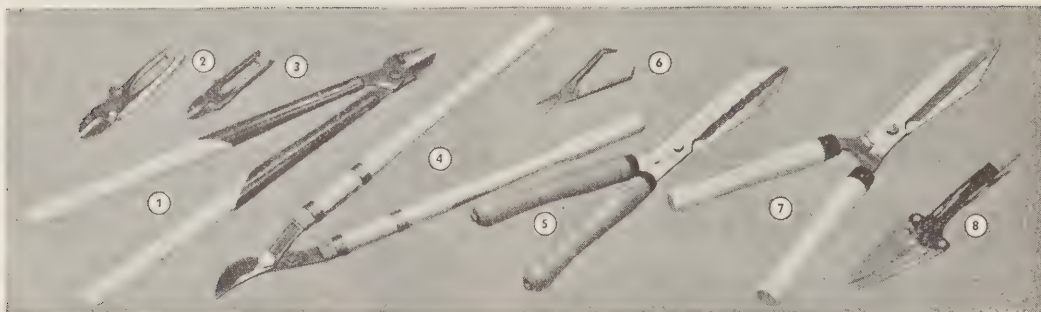
MELNOR'S SWINGIN' SPRAY. Rectangular coverage reaches into all corners, eliminates over-lapping, as with stationary, circular-pattern sprinklers. Adjusts to exact areas and up to fixed lines. Arc can be increased or decreased. Spray tube can be centered or set to one side. Lightweight; rust-proof.

No. 700 covers up to 2,000 sq. ft. (Each \$11.95) (Postage 15c)

No. 550 covers up to 1,710 sq. ft. (Each \$8.95) (Postage 15c)

Prices listed are those in effect at time of printing and are subject to whatever revision may be caused by advancing prices and government regulations.

Prices not prepaid unless specified.



LONG HANDLED PRUNERS

NO. 45 SEYMOUR SMITH ROCKDALE PATTERN. 22 in. handles. Cuts $1\frac{1}{4}$ in. limbs.
(Each \$3.50)

NO. 48 ROCKDALE PATTERN. Same as 45 but with 30 in. handles.
(Each \$4.50)

(1) NO. 149 SEYMOUR SMITH SNAP-CUT PATTERN. Direct-cut blade-and-anvil cutting principle applied to a lopping shear. 20 in. handles.
(Each \$6.00)

(4) WISS NO. 321SA. Has 21 in. handles and hollow ground blades that make cutting easy. Handles securely attached. Weight 2 lbs.
(Each \$7.25)

(Postage on any of above 25c)

GRASS SHEARS

MIRACLE. An outstanding shear. Easy non-tiring squeeze grip action. A highly efficient tool.

No. 1 (Price \$2.50)

No. 2 De Luxe—No blister grip (Price \$2.80)

(8) NO. 57 SEYMOUR SMITH EZY-CUT SPECIAL GRASS SHEAR. A splendid value.
(Each \$2.15)

NO. 1575 SEYMOUR SMITH STAND-UP GRASS SHEAR. Cutting action same as No. 157. Operator stands up.
(Each \$4.70)

(Postage on any of above 15c)

PRUNING SHEARS

(2) NO. 119 8" SNAP-CUT PRUNING SHEAR. Easily cuts $\frac{3}{4}$ in. branches.
(Each \$2.95)

(3) NO. 18, LADY'S SIZE SNAP-CUT PRUNING SHEAR. Easily cuts $\frac{1}{2}$ in. branches.
(Each \$2.50)

NO. 60. 2-row handles, steel end catch; drop forged; easy cutting. 9 in. overall.
(Each postpaid \$1.75)

ANQUESA-SCUDO. Made in Italy. Known the world over for strength, sharpness, durability. 9 in. long, of finest steel. We highly recommend this pruner.

(Each \$1.95)

(Postage on any of above 15c)

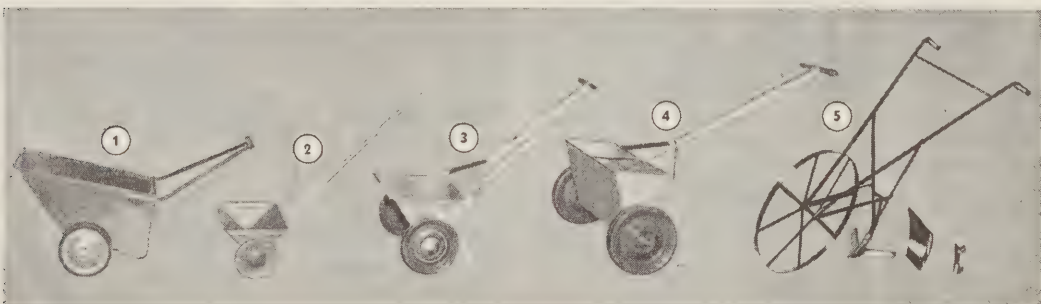
HEDGE SHEARS

(7) 14-8 SEYMOUR SMITH EZY-CUT HEDGE SHEARS. 8 in. blade, high lift handles.
(Each \$3.50)

(5) 54-9 LIGHTNING CLIPPER HEDGE SHEARS. New shaped blades 9 in. long, streamlined handles with extra long ferrules. High lift handles provide ample clearance above hedge.

(Price each \$4.35)

(Postage on any of above 25c)



(1) PICK-UP CART. Take the hard work out of yard work! Replace awkward wheel-barrow. Wide puncture-proof tires makes easy wheeling. 3 cu. ft. (\$9.45)

ARMSTRONG. New dial adjustment lawn spreader. Accurately spreads seed, fertilizer, lime, turf builders, lawn chemicals.

(2) YS-16. 16 in. wide, 27 lb. capacity. Rubber tired wheels (\$8.95)
YS-16E. Same as YS-16 only steel wheels and wooden handle. (\$6.95)

(3) NO. YS-20. 20-in. wide, 50 lb. capacity. Rubber tired wheels. (\$12.95)

(4) NO. YS-10. 24 in. wide, 75 lb. capacity. Rubber tired wheels. (\$18.95)

BEAUTY BARROW WHEELBARROWS. A better wheelbarrow all ways! Can also be used for a barbecue.

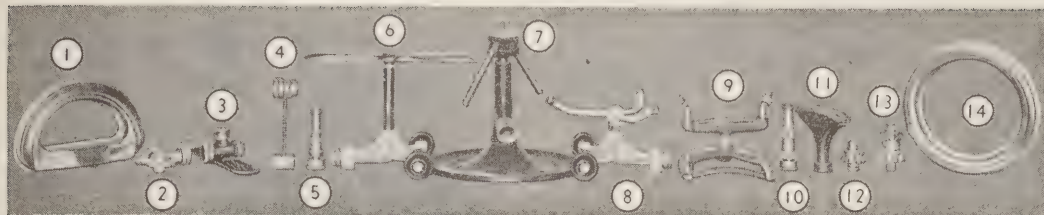
Prices: (No. 4, one-wheel, \$16.80) (No. 24, two-wheel, \$18.70) (No. 3, one-wheel, \$13.90) (No. 41, Barbecue set fits either barrow, \$5.60)

(5) GEYER NO. 850 CULTIVATOR. Sturdily built, equipped with 24 in. wheel, double pointed shovel, 6-prong cultivator and plow. Wooden handles Weight 21 lbs.
(Each \$9.45)

Prices listed are those in effect at time of printing and are subject to whatever revision may be caused by advancing prices and government regulations.

LAWN HOSE GOODS and HAND TOOLS

Prices not prepaid unless specified



(1) **FAMOUS NELSON CRESCENT SPRINKLER.** Throws a fine mist-like spray in a complete half circle. Can be moved without getting wet. Weight 1 lb.

(Postage 15c) (Each \$1.85)

(2) **NO. 70 THOMPSON TWIN SPRINKLER.** Cast of zinc and copper alloy, brass lined.

(Each 65c)

(3) **CRICKET SPRINKLER.** Sprinkle a square area. For multiple sprinkling system or for individual use.

(Postage 15c) (Each \$1.35) (4 for \$5.25)

(4) **PARKWAY SPIKE SPRINKLER.** With 4 in. green enameled spike, zinc and copper alloy brass lined. Sprinkles to one side.

(Postage 5c) (Each 45c)

(5) **PAT NOZZLE.** Attractive in appearance, efficient in performance, moderately priced.

(Postage 5c) (Each 95c)

(6) **WHIRLING FAIRY SPRINKLER.** Unsurpassed for the beauty of its Fairy-Like spray.

(Each \$3.95)

(7) **RAINING "K".** Set instantly to sprinkle any size circle 5 to 50 ft. by turning button.

(Postage 25c) (Each \$8.95)

(8) **POPPY SPRINKLER.** Throws a drenching spray so gentle that it cannot beat down grass or flowers.

(Postage 15c) (Each \$3.95)

(10) **RAINBOY NOZZLE.** Finest quality made. Fingertip adjustment.

(Postage 5c) (Each \$1.50)

(11) **FLARING ROSE SPRINKLER.** Makes an ideal soft spray for new planted grasses, seedlings, delicate foliage and flowers.

(Postpaid) (Each \$1.17)

(12) **PERFECT CLINCHING MENDERS, BRASS TUBE.** These are self fastening—no bands, bolts, or wires are required. Fingers are non-cutting. For $\frac{3}{8}$ and $\frac{1}{4}$ in. hose.

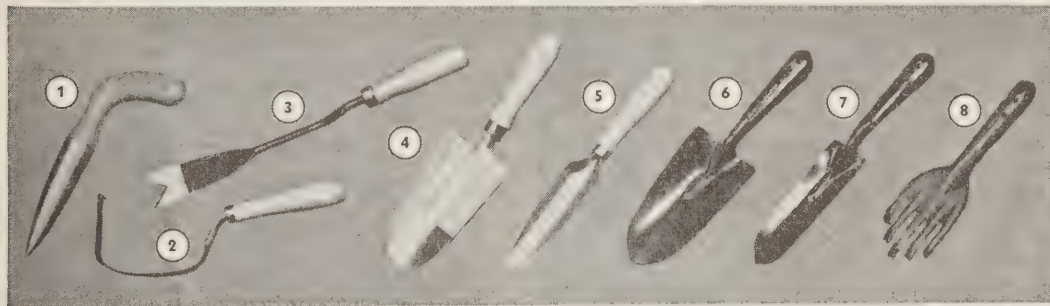
(Postpaid) (Each 17c) (2 for 32c)

(13) **PERFECT CLINCHING BRASS COUPLINGS.** Attach to hose same as Hose Menders. Complete couplings, male and female ends for $\frac{3}{8}$ and $\frac{1}{4}$ inch hose.

(Postpaid) (Each 43c) (Female ends 29c)

(14) **FULL CIRCLE.** Throws a fine, gentle spray, evenly distributed throughout entire area.

(Postage 10c) (Each \$1.65)



IDEAL WEEDER. A handy garden tool for hand weeding.

(75c)

DANDELION DIGGER. A tool that is a must for the particular gardener.

(69c) (Postage 10c)

NO. 80 GARDEN TROWEL. Formed from a single piece of steel.

(25c) (Postage 5c)

NO. 81 TRANSPLANTING TROWEL. A very handy tool.

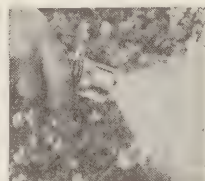
(25c) (Postage 5c)

NO. 82 WEEDER OR CULTIVATOR. Convenient for close cultivation.

(Postage 5c) (25c)

FOGG-IT NOZZLE. Creates a fog instead of a heavy spray. Can't damage your young tender plants. All metal.

(Postpaid \$1.69)



Prices listed are those in effect at time of printing and are subject to whatever revisions may be caused by advancing costs and government regulations.

**SAVE
MATERIAL**

Spray Pumps

**APPLY
EFFICIENTLY**

Prices not prepaid unless specified.

ATOMIZERS or HAND SPRAYERS. These low-priced sprayers are especially designed for the home and are a convenient type for use in the small garden for shrubbery or the poultry house.



FAMOUS HUDSON SPRAYERS

NEBU-LIZOR (4 Jets—Easy Kill)

No. 444 27-oz. Tin Tank	83c
No. 333 14-oz. Tin Tank	71c
No. 208 8-oz. Glass Jar	50c

ALL-PURPOSE (1 Jet)

No. 440 Handy 32-oz. Tin Tank	63c
No. 222 Vapor 16 oz. Tin Tank	51c
No. 205 Bantam 5-oz. Glass Jar	39c

CONTINUOUS ATOMIZER or HAND SPRAY GUNS. Slow, easy pumping produces a continuous mist. 2 spray continuous—adjust for heavy or light fog.



No. 447 Eclipse 32-oz. Stainless Steel	\$5.73
No. 438B Capital 3 qt. Tin Tank ...	4.28
No. 436 Cardinal 3 qt. Tin Tank ...	2.72
No. 433 Mercury 32-oz. Tin Tank ...	1.89
No. 428 Critic 24-oz. Glass Jar	2.29

(Postage on any of above 10c)

COMPRESSED AIR SPRAYERS

With these handy and efficient pumps the operation of spraying becomes an anticipated event. Solution is put in the tank which is made airtight with a twist of the wrist. Air is then pumped in and spraying commences. The trigger quick spray lock gives instant control. All equipped with galvanized steel tank.



Pattern Number	Description	Capacity Gallons	Each
310B	Perfection .....	.4	\$16.47
335A	Climax .....	.3	14.63
293B	Leader .....	.3 1/2	11.46
9A	Favorite .....	.2	10.25
291B	Booster .....	.3	9.35
220	Bugwiser .....	.2 1/4	8.58
115	Clipper .....	.1 1/2	8.24

(Postage on any of above 40c)

WHEELBARROW SPRAYER No. 3170. 12 gallon capacity, equipped with 6 ft. 3/8 in. hose, 2 ft. extension rod, nozzle and 16 in. steel wheel. Weight 42 pounds.
Price: (Each \$29.20)

SLIDE SPRAYER. A trombone type sprayer with 5 ft. of 3/8 in. spray hose and an adjustable nozzle to get from a fine mist spray to a solid stream reaching 40 ft. To be used with a bucket or barrel, etc.

Price \$7.25 (Postage 20c)

Prices listed are those in effect at time of printing and are subject to whatever revision may be caused by advancing prices and government regulations.

CONVENIENT HOSE SPRAYERS



The most compact, simple and easy to use sprayer available. Just put insecticide in the jar, attach to the garden hose, and the water pressure does all the work. Eliminates pumping and carrying a tank. Also ideal for applying 2,4-D Weed Killers on the lawn.

Model	Description	Capacity Gallons	Price
Bradson Insect-O-Gun		6	\$5.95
Bradson Gard-N-Gun		8	3.95
Bradson Bug-Gun		1 1/2	2.65
Bradson Gro-Gun (Applying Fertilizers)		20	2.95
Bradson Lawn-Gun (Applying Fertilizers from Buckets, etc.)			1.95



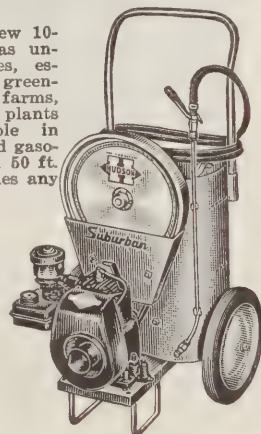
Hayes Jr. VI	6	9.95
Hayes Jr. IV	4	6.45
Hayes Jr. III	3	4.95

(Postage on any of above 25c)

HUDSON SUBURBAN. The new 10-gallon Power Sprayer. Has unlimited uses around homes, estates, market gardens, greenhouses, golf courses, parks, farms, factories, food processing plants and institutions. Available in electric or 4-cycle, air cooled gasoline models. Equipped with 50 ft. rubber covered hose. Handles any spray solution.

Prices:

No. 1010 1 h.p. 4-cycle Engine ...	\$137.50
No. 1010E 1/2 h.p. Electric Motor	137.50



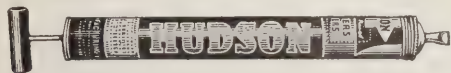
Prices not prepaid unless specified.

HAND DUSTERS

HUDSON

HUDSON ADMIRAL. The world's best known hand duster. Powder compartment 2¾ in. by 6 in. long; holds about 1 lb. of average density dust. Pump 2¾ in. by 15½ in. overall; 9½ in. stroke.

Price: (Each \$2.67)



HUDSON PATROL. Patented "whirlwind" action assures thorough mixing of all powders. With long extension tube, swivel nozzle. Jar interchangeable with pint fruit jars. Holds about 1 lb. of average density dust. 24 oz. graduated glass jar with standard U. S. fruit jar thread.

Price: (Each \$1.92)



HUDSON ADJUTANT. Has large capacity powerful pump for any dust. Extensions and two types of nozzles make dusting jobs easier. Holds about ¾ lb. of average density dust.

Price: (Each \$1.28)

HUDSON CADET. Popular for use in homes, small gardens and the smaller dusting jobs in restaurants, stores, etc. Especially good for control of ants, roaches. Holds ¼ lb. of average density dust.

Price: (Each 75c)

CHAMPION KNAPSACK DUSTERS. Two adjustable straps distribute the light weight across the operator's back, leaving arms and hands free. While the operator stands erect, he can reach the underside of the bottom leaves of the lowest plant, or shoot powder 30 feet in the air. Feed regulator; good, steady flow; non-corroding all brass parts; galvanized tank with a capacity of about 20 pounds. Pushing the long operating lever up and down is less work than turning a crank.

No. 100. Double Action Duster\$27.95



SOIL SOAKERS. For deep soaking. Gentle, steady flow of water seeps through pores throughout length of soaker.

Prices: CANYAS: 12 ft. \$1.60; 18 ft. \$2.10; 30 ft. \$3.05; 50 ft. \$4.60.

(Postage on any of above 15c)

DECORATIVE SECTIONAL FENCE—Fencit. Easily and quickly sets up in circle, square, straight line or any arrangement desired. Protects evergreens and shrubs, flower beds, and lawn corners. Rust resistant. Made of heavy galvanized steel wire with baked-on aluminum paint for extra protection. Can be used for years. Stores in small places.

Prices: (No. 6, 6 ft. fencing with stakes \$1.98) (Postage 25c) (Extra Sections 33c; Stakes 3c)

Prices listed are those in effect at time of printing and are subject to whatever revision may be caused by advancing prices and government regulations.

GRASS CATCHERS

Grass Catchers permit the removal of grass clippings from the lawn to prevent them from being tracked in the house. They are convenient to use and efficient.

FOR HAND MOWERS

HS114 Fits Mower widths 12 in. through 18 in.\$1.75
HS234 Fits Mower widths 12 in. through 18 in. 2.20

FOR POWER MOWERS

244-1S Fits Mower widths 15 in. through 21 in.\$3.40
244-EA Fits Mower widths 18 in. through 24 in. 3.55

B.F. Goodrich

LAWN HOSE

KOROSEAL GARDEN HOSE. Is made of Koroseal flexible material. Won't swell or rot. Crack-proof and kink-proof. Fine polish finish in bright red or bright green, multiple sided. 10-year guarantee.

Prices coupled: (25 ft. \$5.75) (50 ft. \$9.80) (75 ft. \$13.85)

GARDEN CLUB. A new yellow plastic garden hose made of virgin material. Round smooth finish with reattachable couplings. An outstanding value. Guaranteed 5 years.

Prices coupled: (25 ft. \$4.25) (50 ft. \$6.95) (75 ft. \$9.95)

CRYSTAL CLEAR. A new plastic garden hose made of virgin material. Multiple sided. An outstanding value in plastic hose. Coupled with reattachable couplings. Crystal green colored.

Prices coupled: (25 ft. \$4.25) (50 ft. \$6.95) (75 ft. \$9.95)

FEATHERWEIGHT. An excellent buy in low-priced plastic hose. Multiple sided. Coupled with reattachable couplings. Rich brown in color.

Prices coupled: (25 ft. \$2.95) (50 ft. \$4.95)

AKRON. A new high quality, green covered, 1 braid rubber garden hose having a full ¾ in. inside diameter. Tube and cover have tough construction. Multiple sided.

Prices coupled: (25 ft. \$5.25) (50 ft. \$8.95) (75 ft. \$13.40)

SIGNAL. An excellent buy in low-priced rubber garden hose. Tube and cover have tough construction. One rayon cord reinforcement. Black color.

Prices coupled: (25 ft. \$3.95) (50 ft. \$6.95) (75 ft. \$9.95)

SPRINKLING CANS. Schluter DeLux; made of finest material without being too heavy for ladies. Movable top handle; solid attached grip on back of can. Will last many years under proper care.

Prices: (6 qt. \$2.60) (8 qt. \$2.90) (10 qt. \$3.15) (12 qt. \$3.40)

WATER-RITE. A new sprinkling can with long spout for watering indoor and outdoor plants, etc. Sturdy built in green or black with attractive design.

Price: (Each \$2.98) Postpaid.



REG. U. S. PAT. OFF.

ARNOLD GARDEN HOSE SPRAYER consists of a shut-off, a cartridge chamber and an extension spraying nozzle. The regular water pressure forces the solution out of the nozzle in a fine mist. Special soluble cartridges for insect and plant disease control fit the cartridge chamber. Water passes through the chamber, dissolves the cartridge providing correct control solution.

Prices: Chrome Finish: (Postage 15c)

Arnold, with Adjustable Nozzle\$6.50
Transparent Chamber (Plastic) 1.00
Transparent Chamber, Metal Ends 2.00
Coupling Only 1.00

The following cartridges for the Arnold Garden Hose Sprayer will be available: DDT; P-R (Pyrethrum-Rotene); Arsen-O-Spray; Nic-O-Spray; Pyr-O-Spray; Rot-O-Spray; Sulph-O-Spray; Chlordane; Weed-O-Spray.

(40s each) (12 for \$4.65)

Lindane (50c each) (12 for \$5.75)

**SAVE TIME
AND
LABOR**

Lawn Supplies

**ENJOY
GARDENING**

Prices Are Not Prepaid Unless Specified



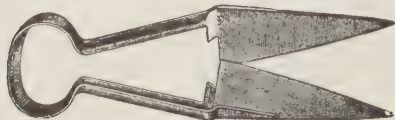
HUDSON WEED-SHOOTER. Spot sprayer for lawn weeds. There's no stooping—just carry it like a cane. Kills weeds with a squirt. One fill treats 1,000 weeds. No separate mixing of weed killer solution necessary. Just remove cap, pour water to height indicated, add 2,4-D and shake. You kill weeds as fast as you can walk. Just place on weed, press, release and a measured dose of spray drenches weed.

Price: (Each \$1.90)



NO-SEE ROOT FENCE. Bars shrub, tree, hedge and vine roots from robbing gardens and flower beds of needed fertility and moisture. Makes quickly erected terraces for erosion control. It forms an impenetrable 12-inch deep steel barrier between shrub roots and cultivated areas, permitting you to raise prize-winning flowers almost at the very base of shrub plantings, hedges, etc. Made of hot-dipped, zinc-galvanized, corrosion-resistant steel. Lasts a lifetime. Corrugated to eliminate breakage from freezing. No-See Root Fence is made in sections 12-inches deep by two feet long which lock together with special twist clips. Easy to install. Anyone can do it.

Price: Package of 25 Sections (50 feet) \$19.95. Per 2-foot section 89c.



SHEEP SHEARS. An exceptional shear for cutting grass, topping onions and other vegetables. Also widely used for shearing sheep and many other purposes around home and garden.

Prices: Postpaid (No. 111, 98c) (No. 112, \$1.00)

GRASS HOOKS. A must around the garden for cutting weeds, brush and other purposes. Light; but effective for close work.

Prices: Postpaid (No. 70, 14 in. blade, 67c)



NO-SEE

TRADE MARK

**GRASS
BARRIER**

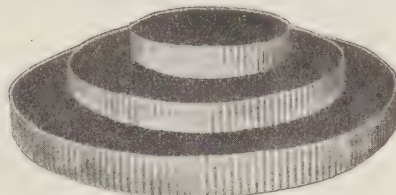
Maintains Lawn Edges Perfectly



Installed as shown . . . Flush with Soil! Eliminates grass trimming and edging. Made of corrugated, galvanized steel selected expressly for this use. Each section 4 inches deep, makes two feet. Unique galvanized twist clips lock sections together in continuous length. Easy to install; just drive down to soil level. Invisible from lawn edge. Bends easily around corners or at right angle.

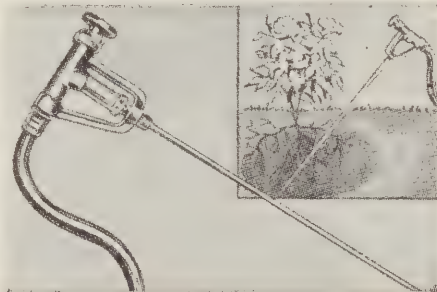
You mow right over No-See Grass Barrier, trimming edge neatly. Install it around trees, shrubs, flower beds, along fences, hedges, driveways. Makes cultivation easier and faster, cuts lawn work in half! Weight 12 lbs.

Prices: (Packaged 40 ft. to carton—per carton \$4.98)



PLANTING PYRAMID. Ideal for strawberry or floral planting where little space is available. Holds up to 100 Everbearing Strawberry plants. 3-level design, central watering collar at top. Large 6½ ft. diameter pyramid raises enough berries for average family use. Weight 20 lbs.

Price: Not postpaid, \$7.95



ROSS ROOT FEEDER. Here's the answer to the gardener's prayer. The tool with 100 uses. The Ross Root Feeder method of giving all plants food and water in correct solution right to the roots IN ONE SIMPLE PROCESS produces amazing results! Ideal for flowers, trees, shrubs, vegetables and everything that grows. Professional, scientific.

Prices: Ross Root Feeder with 12 complete plant cartridges \$4.98.

Additional cartridges: Neutral (8-16-8), Acid (10-20-20), Starter (10-52-27), \$1.00 Each.

**SAVE TIME
AND
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Garden Supplies

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GARDENING**

Prices Are Not Prepaid Unless Specified

SUPPLEX



Flexible Plastic Sprinklers. Rainfall when and where you want it. Not a hose. Triple-tubed construction. The Supplex Flexible Sprinkler is wider than it is high. It must always lie flat, spraying water upward only. It cannot wash out seedlings or soil. No other sprinkler is built this way. Blankets watering area evenly. Sprays a gentle, even "rainfall" over areas as large as 50 ft. long by 20 ft. wide in one operation! Curves to fit any terrain, puts water only where you want it! Green color. 50 ft. length covers a rectangular area 50 ft. long by 20 ft. wide (approx. 1000 sq. ft.); 25 ft. length covers a rectangular area 25 ft. long by 25 ft. wide (approx. 625 sq. ft.). Has handy reel for storage.

Prices: (25 ft. \$3.98) (50 ft. \$5.98) Postpaid.

BOND SOD-SAVER. Gives new life to old lawns! A valuable garden tool that aids in restoring lawns where plowing and reseedling might be required. The sod-saver cores out the soil 4 in. deep and $\frac{1}{2}$ inch in diameter. The holes permit water, air, and fertilizer to nourish the grass from the roots. Old lawns become packed over the years, reducing the amount of air in the soil, water penetration becomes limited and the grass becomes shallow rooted. This makes the lawn more vulnerable in time of drought.

Price: (Postpaid \$6.50)

BAMBOO PLANT STAKES. A garden necessity for supporting plants; perennials; tomatoes and many other uses. Tough; dark green color.

Prices:	Doz.	25	100
2 ft.	\$.25	\$.40	\$1.40
4 ft. ....	.40	.75	2.75
6 ft. ....	.75	1.25	4.75

Postage (doz. 15c) (25, 30c) (6 ft., cannot be mailed)

WOODEN POT LABELS OR MARKERS. For use in identifying plants, seeds, flowers or rows in the garden.

	Doz.	100	500	1000
4 inch .....	.15	\$.50	\$2.00	\$3.50
6 inch .....	.15	.60	2.65	4.50
8 inch .....	.20	.65	3.35	6.00
10 inch .....	.25	1.00	4.40	7.65
3 1/2 inch Wire				

Tree Labels15 .60 2.65 4.50
Postage (dozens postpaid) (100, 10c) (500, 25c) (1000, 40c)

SPIKE DISC LAWN AERATORS



For the aeration and conservation of lawns, putting greens and fairways. That lawns, putting greens, fairways, parks, etc., require cultivation if their condition is to be maintained and improved has become common knowledge. It is now possible to accomplish this with a Spike Disc Lawn and Green cultivator. Aerate and cultivate in one simple operation. Spike Disc is as easy to operate as your own lawn mower. 8 discs, each 10 in. diameter. Rolling width, 16 in. Shipping weight 35 lbs. Tray is provided so that weight may be added.

Price: (\$18.50)

CRESCENT SPRINKLER. Sprinkles a half circle 20 ft. to 30 ft. diameter. Can be moved while operating without getting wet. Very useful along walks and drives. Brass top, galvanized bottom. Will withstand exceptional water pressure.

Price: (Postpaid \$1.85)



NELSON FLARING ROSE

A handy sprayer for use when hand-watering a new lawn seedlings, etc. The many perforated holes cause a gentle, light "rain-fall" spray that will not wash. Can be used in the garden, hothouse or greenhouse.

Price: (Postpaid \$1.17)



JUG SPRAYERS

Handy attachment to use on any screw top jug for applying 2,4-D Weed Killers, liquid or soluble fertilizers. Screw on jug, tip as you walk, economical and efficient.



**ONLY
59¢**



The new Rainrite low-cost underground sprinkling system. Install it yourself in less than two hours. Guaranteed to cover up to 1500 square feet (under normal water pressure, 30 to 45 lbs. or more). No special tools required. Revolutionary Rain Jet all-metal Pop-up Sprinkler Heads stay trouble-free. Waters like a gentle rain. No mist, blow away, or puddling. Every drop is used. Plastic pipe and fittings last a lifetime! Operates perfectly in any climate.

Price: Complete for 1500 sq. ft. (Per Kit postpaid \$34.95)

**SAVE TIME
AND
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Garden Supplies

**ENJOY
GARDENING**

Prices Are Not Prepaid Unless Specified



**PARKER
LAWN
SWEEPERS**

The ideal sweep for leaves, grass, clippings, trash, papers, etc., that accumulate on the lawn or around the yard. Has a definite use and purpose from spring until winter. Sturdy material, easy operation. Folds for storage.

Prices: PA-5420, 20-inch sweeping width, shipping weight 44 lbs., \$35.50. PA-5428, 28 inch sweeping width, shipping weight 48 lbs., \$43.50.

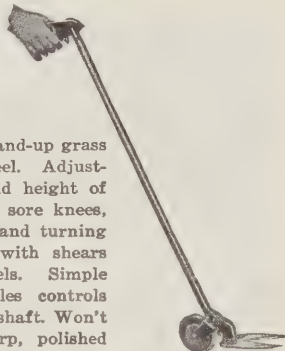
**DUNHAM
WATER WEIGHT
LAWN
ROLLERS**



Size	Empty Wt.	Filled Wt.	Price
No. 2—14x24	60 lbs.	175 lbs.	\$18.00
No. 4—18x24	82 lbs.	265 lbs.	22.50
No. 7—24x24	110 lbs.	420 lbs.	29.65

**LONG-HANDLED
GRASS SHEARS**

Famous Seymour-Smith stand-up grass shears with oversized wheel. Adjustments for user's height and height of cut. No stooping, bending, sore knees, or backaches. No twisting and turning at lawn irregularities as with shears having small guide wheels. Simple "squeeze" action on handles controls blade at bottom of tubular shaft. Won't pinch or tire hands. Sharp, polished blades.



Price: (No. A-1575
\$4.70. (Postage
25c)

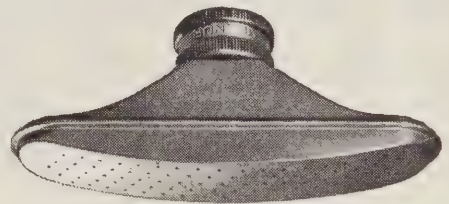
**DISSTON ELECTRIC HEDGE
TRIMMER**

A truly fine Hedge Trimmer. Double Cutting two moving blades. No vibration. Two reciprocating blades. Faster cutting—keen bevel sharpened teeth. Light, perfectly balanced, comfortable. natural grip at center of balance. Cuts all types of hedge, curved or straight surfaces. AC or DC motor. Listed by Underwriters Laboratories. Equipped with 6 ft. of heavy cutting cord attached to motor with spring tension clip. Shipping weight 7 lbs.

Price: (Each \$44.95) (Postage 50c)



**MELNOR'S MIST-RAY HAND
SPRAY**



Streamline-designed heavy duty hand spray through its 94 hole precision-perforated face. Absolutely leak-proof, rust-proof and non-corrosive!

Price: (Postpaid 60c)

ROTO-EDGER

For edging, trimming and shearing on the lawn and in the garden. Exclusive self-equalizing features and full-floating (compression spring) knee action. Self sharpening, fully adjustable shears, left or right hand, ruggedly constructed, less back bending and kneeling on ground, replaces the use of hand shears and knives in most cases. As necessary as a lawn mower. Adds beauty to your lawn. 1 year guarantee.

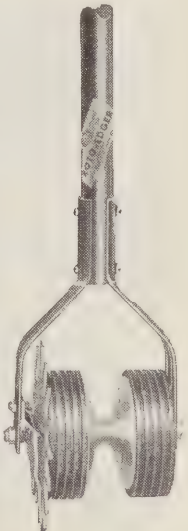
Prices:

No. 30 DeLuxe—Dual Wheels, \$6.45

No. 20 Universal—Single Wheel \$5.45

No. 10 Standard—Single Wheel \$4.45

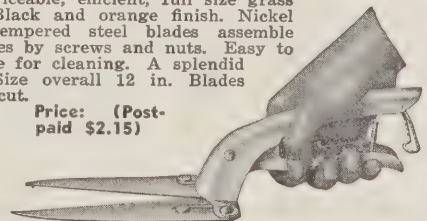
(Postage on any above 50c)



"EZY-CUT"

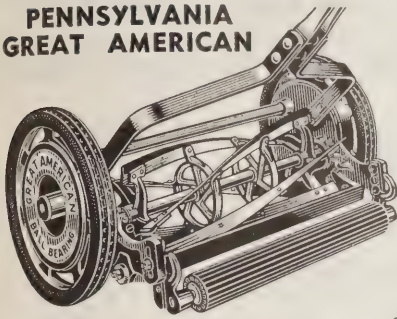
A serviceable, efficient, full size grass shear. Black and orange finish. Nickel plated tempered steel blades assemble to handles by screws and nuts. Easy to dismantle for cleaning. A splendid value. Size overall 12 in. Blades 5 1/4 in. cut.

Price: (Post-
paid \$2.15)

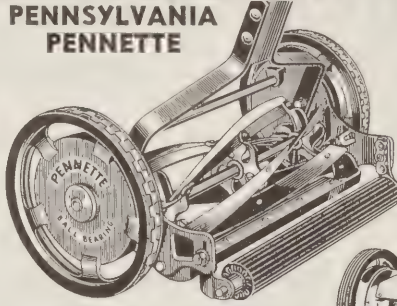


FAMOUS PENNSYLVANIA POWER AND HAND MOWERS

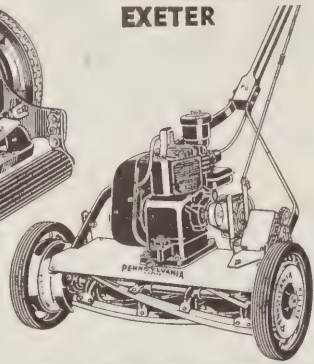
PENNSYLVANIA GREAT AMERICAN



PENNSYLVANIA PENNETTE



PENNSYLVANIA EXETER



The choice of professional gardeners, caretakers, park superintendents and the men who know and need the best in lawn mowers. Full ball bearing cutting action assures easy mowing, long service life. Twin tube steel handles. Semi-pneumatic tires. 6 blades.

Prices:
Regular (17 in. cut, 48 lbs. \$33.35)
(19 in. cut, 50 lbs. \$36.60)
Hi-Cut (17 in. cut, 53 lbs. \$33.35)
(19 in. cut, 36 lbs. \$36.60)

METEOR

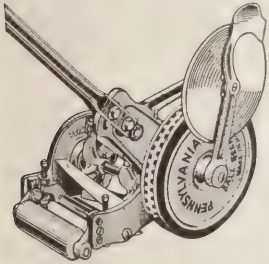
The Meteor's 25 percent less weight than other heavy duty mowers (due to aluminum alloy construction) makes it ideal for use on steep sloping lawns and terraces where heavier mowers are harder to handle.

Prices:
(16 in. cut, 38 lbs., 5 blades \$37.50)
(19 in. cut, 40 lbs., 5 blades \$39.95)
(16 in. cut, 39 lbs., 7 blades \$40.90)

PENNA-LAWN

A rugged mower at medium price. Good for years of rugged service. Ball bearing mounted cutting reel. All blades high carbon steel.

Price: (16 in. cut, 42 lbs., 5 blades \$24.95)



PENNSYLVANIA TRIMMER AND EDGER

For trimming around gardens, paths and flower beds. A real labor saver. Saves hours of back-breaking labor every time it's used.

Price: (6 in. cut, 24 lbs., 4 blades \$24.75)

FOLEY ROTARY POWER MOWERS

The most complete and respected name in Rotary Mowers. "Cyclone Blower" principal prevents wind-rowing and affords perfect mulching. Can be used for weeds as well as the finest lawn grasses. Low upkeep, blades can be sharpened in 5 minutes at home. "Full Circle" cutting trims right up close to trees, shrubs, fences—even closer than the wheels can reach! Smooth performing, accurately machined and braced for long trouble-free life.

FOLEY ROTARY MOWERS

Model 671—17 in. Electric 1/4 H.P. 3450 R.P.M. cutting speed. Quiet, direct drive, highest quality motor has push button starting. Sturdy, yet lightweight, contour housing gives maximum strength and cutting volume. Easily adjustable cutting height. Folding handle. Shipping weight 51 lbs.

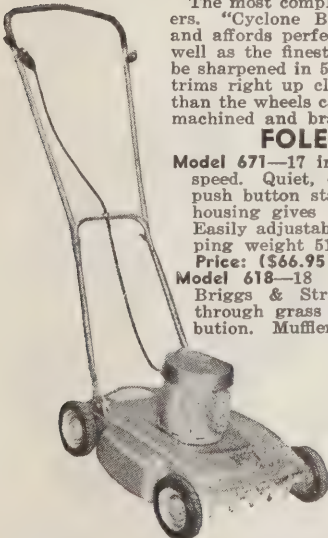
Price: (\$66.95)

Model 618—18 in. Gasoline Engine. 1.6 H.P. 4-Cycle Briggs & Stratton Engine. Fast and easy moving through grass of any height. Balanced weight distribution. Muffler design for quiet operation; and safe, fully enclosed blade housing. Folding handle for easy storage and transportation. Shipping weight 55 lbs.

Price: (Rewind Starter \$92.95) (Rope Starter \$88.50)

Model 617—17 in. Gasoline Engine. 1.6 H.P. 2-Cycle Power Products Engine. Direct drive vertical crankshaft. Special lift action blade; easy to sharpen. Sturdy frame. Shipping weight 45 lbs.

Price: (\$71.95)



For hard-to-get-at places. Narrow cutting width and low wheel height ideal for close work. Cutting reel has four keen cutting, double-ground steel blades. Hardwood handle stands straight up for smallest storage space of all. Free moving hardwood handle plus light weight makes terrace cutting easy. Rubber tires and roller.

Prices:
(12 in. cut, 28 lbs., 4 blades \$15.95)
(14 in. cut, 30 lbs., 4 blades \$16.95)

For average size lawns—suburban, residential. 18 in. cutting reel has 5 self-whetting extra-wide, double ground blades. All blades high carbon, exactly tempered, crucible analysis steel. Easy starting 1.1 h.p. 4 cycle Briggs & Stratton engine. Oil bath air cleaner. Shipping weight 104 lbs.

Prices: (Rope Starter \$99.95) (Rewind Starter \$110.50)

PENNSYLVANIA DE LUXE

For larger lawns and country homes. 21 inch cutting reel has 5 self-whetting, extra-wide, double ground blades. Dependable 1.6 h.p., 4 cycle Briggs & Stratton engine. Oil bath air cleaner. Semi-pneumatic tires, grass stripper, extra large, sectional wood roller. Shipping weight 140 lbs.

Price: \$135.00

PENNSYLVANIA SPECIAL

For smaller lawns and clean-up work after power mowing. Ball bearing mounted cutting reel. All blades high carbon steel. Double-ground blades. Hardwood handle for lighter and springier handling.

Price: (16 in. cut, 41 lbs., 5 blades \$19.95)

PENN-ACCO

New rotary mowers, for quicker, easier mowing of tough-grass, faster growing lawns. Designed to deliver season after season of "green velvet" trimming those lawns that do not call for reel type mowers. Furnished with leaf mulchers at no extra cost.

(A) 20-inch cut, 2.5 h.p. 4 cycle engine with rewind starter. Shipping weight 54 lbs.

Price: (\$104.95)

(B) 18-inch cut, 1.6 h.p., 4 cycle engine. Shipping weight 47 lbs.

Prices: (Rope Starter \$87.25) (Rewind Starter \$92.25)

(C) 18-inch cut, Electric Mower. Special 1/2 h.p. electric motor, 3450 R.P.M. Cords extra. Shipping weight, 52 lbs.

Price: \$75.25.

Model 602—20 in. Gasoline. Powerful 2 H.P., lightweight 4-Cycle Briggs & Stratton Engine. Quick starting; quiet operating; smooth performance. Slip clutch prevents breakage when hitting solid objects. Shipping weight 60 lbs.

Price: (Rewind Starter \$102.95)

Model 621—Self-Propelled 21 in. gasoline. Powerful 2 1/2 H.P. Clinton. Special dual drive shaft engine. "Finger-tip" control gives full control of mower at any speed right when you want it. Shipping weight 110 lbs.

Shipping weight 110 lbs.

Price: (\$198.50)

ELECTRIC LAWN TRIMMERS

Trim and edge with ease, around trees, rocks, shrubs, under fences, along walks, driveways, etc. Cut trimming time to minutes, with no bending, no backache.

No. 70—SEYMOUR-SMITH. Custom built 1/15 h.p. motor (9000 R.P.M.). Easy to handle, extra lightweight.

Price: (Each \$19.95)

No. 53-5B DESERT RAY. Sturdily built. Serves as an electric edger as well as a trimmer. 1/14 h.p. motor.

Price: (Each \$22.85)

ALL-AMERICAN ROSE SELECTIONS

AWARDS 1940-1955

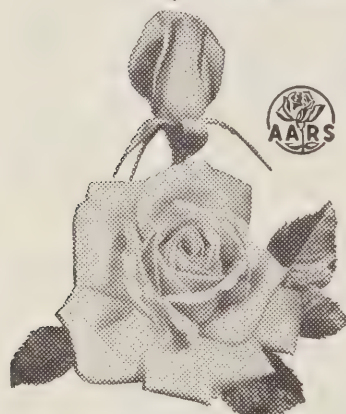
PRODUCED BY HOWARDS of HEMET

FREE Beautiful Buyer's Guide and History on All-American Roses
Sent Free on Request

FREE

Tiffany...

is beautiful from bud
...through Full Bloom



1955 Hybrid tea All-America Rose Selections award winner is named to honor Tiffany & Co., New York, known the world over for unexcelled quality. A deep-pink rose with golden-yellow shading at base of petals, its long, pointed buds open to perfectly formed double blooms of exceptional lasting quality. Noted for its outstanding fragrance, handsome dark green foliage and long, strong stems.

An Origination of Howards of Hemet, Calif.

LESS 12% on orders of 3 or more bushes.

Add postage and packing charges.

(29c each) (3 for 39c).

Full Descriptions See Pages 44-45

	Name	Color	Variety	Price Each
1955	Tiffany	Bicolor: Yellow Pink	Hybrid Tea	\$3.00
	Jiminy Cricket	Coral Orange	Floribunda	2.00
	Queen Elizabeth	Delicate Pink	Grandiflora	3.00
1954	Lilibet	Clear Pink	Floribunda	2.00
	Mojave	Apricot Orange	Hybrid Tea	2.25
1953	Chrysler Imperial	Crimson Red	Hybrid Tea	2.50
	Ma Perkins	Coral Shell Pink	Floribunda	2.25
1952	Vogue	Cherry Coral	Floribunda	2.25
	Helen Traubel	Apricot Pink	Hybrid Tea	2.50
1950	Fashion	Coral Pink	Floribunda	2.00
	Capistrano	Pink	Hybrid Tea	2.00
	Sutter's Gold	Golden Yellow	Hybrid Tea	2.25
1948	Diamond Jubilee	Buff	Hybrid Tea	2.00
	Nocturne	Dark Red	Hybrid Tea	2.00
1946	Peace	Pale Gold	Hybrid Tea	2.50
1945	Mirandy	Crimson Red	Hybrid Tea	2.25
1944	Lowell Thomas	Butter Yellow	Hybrid Tea	2.00
1942	Heart's Desire	Deep Rose Red	Hybrid Tea	1.75
1941	Charlotte Armstrong	Cerise Red	Hybrid Tea	2.25
1940	World's Fair	Deep Red	Floribunda	1.50

OTHER OUTSTANDING PATENTED ROSES

Grown by HOWARDS of HEMET

FOR THREE OR MORE 12% DISCOUNT

POSTAGE EXTRA

Name	Color	Variety	Price
Carrousel	Dark Red	Grandiflora	\$2.00
Betty Prior	Bright Red Pink	Floribunda	1.50
Chatter	Bright Crimson	Floribunda	1.50
Goldilocks	Golden Yellow	Floribunda	1.75
Rex Anderson	Ivory White	Hybrid Tea	1.75
Will Rogers	Velvety Maroon	Grandiflora	1.50
New Yorker	Velvety Scarlet	Hybrid Tea	2.00
Show Girl	Deep Pink	Hybrid Tea	2.00
Pinocchio	Salmon Flushed Gold	Floribunda	1.50
Red Pinocchio	Rich Carmine	Floribunda	1.50
Dr. J. H. Nicolas	Rose Pink	Climber	2.00



LILIBET

MONEY SAVING NURSERY COLLECTIONS

No. 1—BULBS AND ROOTS

\$3.49

Postage and Packing 34c

- | | |
|------------------------------|--------|
| 12 Mixed Gladioli—Unnamed | |
| 3 Mixed Peony Roots—Unnamed | Our |
| 3 Mixed Dahlia Roots—Unnamed | Choice |

No. 2—FRUIT COLLECTION

\$2.79

Postage and Packing 34c

- | | |
|-------------------|--------|
| 5 Red Raspberries | |
| 3 Concord Grapes | Our |
| 2 Gooseberries | Choice |
| 3 Currants | |

No. 3—SPIREA SPECIAL

One each of any 5 varieties listed on pages 69 and 70, same stock and sizes

5 No. 1 shrubs

Postpaid

\$4.90

No. 4—ROSE COLLECTIONS

5 Rose Bushes, No. 1 Grade, Our Selection
From Our Regular Stock

YOUR Choice of Climbers or Bush Roses
(Except Patented Roses)

\$5.19

Postage and Packing 44c

No. 1 Grade

DAHLIA COLLECTION \$3.89 Postpaid

We are making a Special Offer of twelve (12) good roots, our selection, all different colors, no two alike, for **\$3.89, postpaid**. This collection contains some of our finest surplus varieties.

HOW TO ORDER

How to Order: If possible please order by number when the item you desire has a number in the catalogue. Give correct address, with Delivery Zone, if you are in a large city.

Seed and Bulb Orders: Write quantities and prices distinctly in the column provided on the order blank.

Plant and Tree Orders: State quantity, size or age of each variety, with price for each item.

C. O. D. Orders: No bulbs, trees, plants or other perishable stock, are sent C. O. D.

Mistakes: If we make any error in filling your order, write us at once.

Parcel Post Rates By Zones

APPROXIMATE DOMESTIC PARCEL POST RATES			
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.	First pound or fraction	Each additional pound or fraction	
Within the U. S. and Possessions. Effective Oct. 1, 1953			
Local—Denver	18c	1.5c	
First and Second Zone within 150 miles	23c	4c	
Third Zone within 150 to 300 miles	23c	5c	
Fourth Zone within 300 to 600 miles	24c	7c	
Fifth Zone within 600 to 1000 miles	26c	10c	
Sixth Zone within 1000 to 1400 miles	28c	12c	
Seventh Zone within 1400 to 1800 miles	30c	15c	
Eighth Zone all over 1800 miles	32c	18c	

Weight Limitations on Parcel Post Shipments

Seeds, plants, and bulbs weighing up to 70 pounds can be shipped by parcel post to any post office.

Large Shipments: General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, freight, or truck, also shipments containing breakables.

CONDITION OF SALE: The Western Seed Company warrants, to the extent of the purchase price, that seeds, plants, bulbs or nursery stock sold are as described on the container within recognized tolerances. Seller gives no other or further warranty, express or implied.

Charge Accounts. Customers desiring to open charge accounts are cordially invited to inform our credit department, which will be pleased to make the necessary arrangements.

RETAIL STORE

1425 15th St.

Ta. 5-4255

FREE PARKING

FOR CUSTOMERS

GARAGE ACROSS STREET

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